

Including the “New” 750 PowerFlex Drive

Manufactured for
Allen Bradley Drives



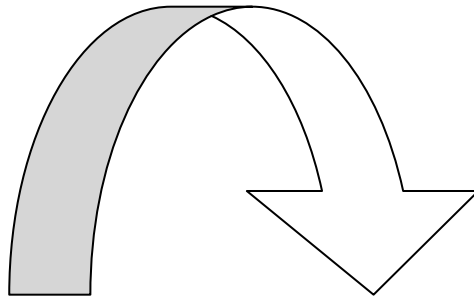
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DRIVES



BRAKE RESISTORS

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on Braking Resistors

Powerohm Resistors is pleased to offer the fourth printing of the Powerohm Braking Resistor catalog for Rockwell, Allen Bradley Drives. In addition to the comprehensive Dynamic Braking Resistor selection list, which now includes the **New PowerFlex 750 Series of Drives**, we have added sections for the Powerohm Resistors new line of stand alone **DB Modules/Choppers** and the exciting new **VBR**, a diagnostic tool, which facilitates the proper selection and takes the mystery out of sizing Dynamic Braking Resistors.

Contact information to cross reference competitor's part numbers is listed on page 4. We can quickly provide information on drop in replacements for Post Glover /IPC Resistors. For your convenience we have web access information tools, such as **RAISE Proposal Builder** and **Engineering Assistant**. These software program tools provide the user with the opportunity to quickly size and select the correct resistor.

This comprehensive guide also offers complete information on all the resistor selections including the panel mounted type PFCR case style resistors, to rugged PF style type screened or louvered enclosed units. All series of Drives, from the PowerFlex 4, 40, 70, 700 and the 750 series are covered, and conveniently listed under the appropriate section by Voltage, HP, Duty Cycle and with minimum and maximum brake torque percent selections, for e-stop, deceleration or overhauling type load applications.

Once your part number is selected, additional technical information such as ohms, watts, dimensions, weight, watt seconds and the list price of the unit may be found on pages 40 thru 61.

Powerohm's new DB Module/Chopper is listed on page 28. Models are available in continuous amp ratings of 80, 115, 300, and 600. A crossover chart is available on page 28 which outlines offerings for replacing the Rockwell Series A, (WA, WB and WC models), one to one, that were originally part of the legacy 1336 and 1305 drives. If you desire to employ the combination of a Powerohm Brake Resistor with a stand alone Brake Module/Chopper, those easy to use selection charts of Brake Choppers and corresponding resistor are available on pages 29 and 30.

Powerohm's VBR takes the mystery out of sizing DB resistors. The light compact, portable unit will assist in sizing the proper DB Resistor for any of the PowerFlex Drives series. The unit may be purchased or rented from Powerohm Resistors Inc. A complete description of the unit's operation is available on pages 31 thru 33, purchasing and rental information is available on page 61.

Finally, additional product information such as Installation and Mounting instructions is included as well as other product information pages and useful Application and Engineering Notes.

Feel free to call Powerohm Resistors Inc. toll free at 1-800-838-4694 if you have any questions.



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POST GLOVER/IPC Resistor TYPE T CROSS REFERENCE

Powerohm will directly cross over any IPC/Post Glover Rockwell Brake Resistor offering. We simply need a part number. Please feel free to contact Powerohm Resistors Inc. in the following three manners:

- 1) Toll free number (800) 838-4694 or (859) 384-8088
- 2) Fax number (859) 384-8099
- 3) Website www.powerohm.com

At our website feel free to send an email to us by clicking on the "Sales Support" tab, then click the "Contact Us" tab, then fill out the request form with your part number. Or enter this link, <http://www.powerohm.com/contact.php>, into your browser and fill out the form and submit it Powerohm. We will promptly reply back to you with price and availability.

RAISE Proposal Builder

Powerohm Resistors Inc. was the first resistor company to be included in the RAISE Proposal Builder software for Dynamic Braking Resistors. Proposal Builder will help in the selection process of the proper DB Resistor. With minimal information such as the Drive, HP, voltage and duty cycle you can select the right DR Resistor component with this easy to use software.

The web link to Powerohm in Raise Proposal Builder is
http://raise.rockwellautomation.com/catalog/_2_5.asp?onKil=http://www.ab.com/raise

Engineering Assistant

Engineering Assistant is software that was created by Rockwell to assist in selection of the proper DB Resistor when mechanical and electrical variables of the actual application or system are known.

This software is available from Rockwell (4.0 version is the current version as of 11-20-2008).

PowerFlex 4 240V

Case Resistor											
ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number						
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	50% OHL	100% OHL
1/4	0.20	100%	60	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W
1/4	0.20	215%	60	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R150W	PFCR150R300W	
1/4	0.20	323%	60	150	PFCR150R100W	PFCR150R100W	PFCR150R100W				
1/4	0.20	430%	60	150	PFCR150R100W	PFCR150R100W					
1/2	0.37	100%	60	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W
1/2	0.37	178%	60	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W	
1/2	0.37	267%	60	150	PFCR150R100W	PFCR150R100W	PFCR150R100W				
1/2	0.37	357%	60	100	PFCR100R100W	PFCR100R100W					
1	0.75	100%	60	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W	
1	0.75	172%	60	100	PFCR100R100W	PFCR100R100W	PFCR100R100W	PFCR100R200W	PFCR100R400W		
1	0.75	258%	60	80	PFCR80R100W	PFCR80R100W	PFCR80R100W				
1	0.75	344%	60	60	PFCR60R100W	PFCR60R100W					
1 1/2	1.10	100%	60	125	PFCR125R100W	PFCR125R100W	PFCR125R100W	PFCR125R150W	PFCR125R300W		
1 1/2	1.10	156%	60	85	PFCR85R100W	PFCR85R100W	PFCR85R100W	PFCR85R300W			
1 1/2	1.10	235%	60	60	PFCR60R100W	PFCR60R100W	PFCR60R150W				
2	1.50	100%	60	100	PFCR100R100W	PFCR100R100W	PFCR100R100W	PFCR100R200W	PFCR100R400W		
2	1.50	153%	60	65	PFCR65R100W	PFCR65R100W	PFCR65R150W	PFCR65R300W			
2	1.50	173%	60	60	PFCR60R100W	PFCR60R100W	PFCR60R150W				
3	2.20	100%	48	65	PFCR65R100W	PFCR65R100W	PFCR65R150W	PFCR65R300W			
3	2.20	148%	48	48	PFCR48R100W	PFCR48R100W	PFCR48R200W				
5	4	100%	32	36	PFCR36R100W	PFCR36R100W	PFCR36R200W				
5	4	122%	32	32	PFCR32R100W	PFCR32R150W	PFCR32R300W				

PowerFlex 4 240V

Standard Enclosed Resistor											
ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number						
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	50% OHL	100% OHL
1/4	0.20	100%	60	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W
1/4	0.20	215%	60	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W
1/4	0.20	323%	60	150	PF150R400W	PF150R400W	PF150R400W				
1/4	0.20	430%	60	150	PF150R400W	PF150R400W					
1/2	0.37	100%	60	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W
1/2	0.37	178%	60	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W
1/2	0.37	267%	60	150	PF150R400W	PF150R400W	PF150R400W				
1/2	0.37	357%	60	100	PF100R400W	PF100R400W					
1	0.75	100%	60	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W
1	0.75	172%	60	100	PF100R400W	PF100R400W	PF100R400W	PF100R400W	PF100R400W	PF100R800W	PF100R1K60
1	0.75	258%	60	80	PF80R400W	PF80R400W	PF80R400W				
1	0.75	344%	60	60	PF60R400W	PF60R400W					
1 1/2	1.10	100%	60	125	PF125R400W	PF125R400W	PF125R400W	PF125R400W	PF125R400W	PF125R800W	PF125R1K20
1 1/2	1.10	156%	60	85	PF85R400W	PF85R400W	PF85R400W	PF85R400W	PF85R800W	PF85R1K20	PF85R2K00
1 1/2	1.10	235%	60	60	PF60R400W	PF60R400W	PF60R400W				
2	1.50	100%	60	100	PF100R400W	PF100R400W	PF100R400W	PF100R400W	PF100R400W	PF100R800W	PF100R1K60
2	1.50	153%	60	65	PF65R400W	PF65R400W	PF65R400W	PF65R400W	PF65R800W	PF65R1K20	PF65R2K40
2	1.50	173%	60	60	PF60R400W	PF60R400W	PF60R400W				
3	2.20	100%	48	65	PF65R400W	PF65R400W	PF65R400W	PF65R400W	PF65R800W	PF65R1K20	PF65R2K40
3	2.20	148%	48	48	PF48R400W	PF48R400W	PF48R400W	PF48R800W	PF48R1K20	PF48R2K00	PF48R3K60
5	4	100%	32	36	PF36R400W	PF36R400W	PF36R400W	PF36R800W	PF36R1K20	PF36R2K00	PF36R4K00
5	4	122%	32	32	PF32R400W	PF32R400W	PF32R400W	PF32R800W	PF32R1K60	PF32R2K80	PF32R5K20

PowerFlex 4 480V

Case Resistor											
ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number						
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	50% OHL	100% OHL
½	0.37	100%	121	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W
½	0.37	217%	121	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R150W	PFCR150R300W		
½	0.37	326%	121	150	PFCR150R100W	PFCR150R100W	PFCR150R100W				
½	0.37	434%	121	150	PFCR150R100W	PFCR150R100W					
1	0.75	100%	121	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W	
1	0.75	176%	121	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W		
1	0.75	264%	121	150	PFCR150R100W	PFCR150R100W	PFCR150R100W				
1	0.75	352%	121	150	PFCR150R100W	PFCR150R100W					
2	1.5	100%	121	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W		
2	1.5	153%	121	150	PFCR150R100W	PFCR150R100W	PFCR150R150W	PFCR150R300W			
2	1.5	229%	121	150	PFCR150R100W	PFCR150R100W	PFCR150R200W				
2	1.5	306%	121	125	PFCR125R100W	PFCR125R150W					
3	2.2	100%	97	150	PFCR150R100W	PFCR150R100W	PFCR150R150W	PFCR150R300W			
3	2.2	156%	97	150	PFCR150R100W	PFCR150R100W	PFCR150R200W				
3	2.2	235%	97	100	PFCR100R100W	PFCR100R150W	PFCR100R300W				
3	2.2	292%	97	100	PFCR100R100W	PFCR100R200W					
5	4	100%	97	150	PFCR150R100W	PFCR150R100W	PFCR150R200W				
5	4	161%	97	100	PFCR100R100W	PFCR100R200W	PFCR100R400W				

PowerFlex 4 480V

Standard Enclosed Resistor											
ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number						
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	50% OHL	100% OHL
1/2	0.37	100%	121	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W
1/2	0.37	217%	121	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20
1/2	0.37	326%	121	150	PF150R400W	PF150R400W	PF150R400W				
1/2	0.37	434%	121	150	PF150R400W	PF150R400W					
1	0.75	100%	121	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W
1	0.75	176%	121	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K60
1	0.75	264%	121	150	PF150R400W	PF150R400W	PF150R400W				
1	0.75	352%	121	150	PF150R400W	PF150R400W					
2	1.5	100%	121	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K60
2	1.5	153%	121	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20	PF150R2K40
2	1.5	229%	121	150	PF150R400W	PF150R400W	PF150R400W				
2	1.5	306%	121	125	PF125R400W	PF125R400W					
3	2.2	100%	97	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20	PF150R2K40
3	2.2	156%	97	150	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20	PF150R2K00	PF150R3K60
3	2.2	235%	97	100	PF100R400W	PF100R400W	PF100R400W				
3	2.2	292%	97	100	PF100R400W	PF100R400W					
5	4	100%	97	150	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20	PF150R2K00	PF150R4K00
5	4	161%	97	100	PF100R400W	PF100R400W	PF100R400W	PF100R800W	PF100R1K60	PF100R3K60	PF100R6K80

PowerFlex 40 240V

Case Resistor											
ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number						
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	50% OHL	100% OHL
1/2	0.37	100%	48	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W
1/2	0.37	178%	48	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W	
1/2	0.37	267%	48	150	PFCR150R100W	PFCR150R100W	PFCR150R100W				
1/2	0.37	357%	48	100	PFCR100R100W	PFCR100R100W					
1	0.75	100%	48	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W	
1	0.75	191%	48	100	PFCR100R100W	PFCR100R100W	PFCR100R100W	PFCR100R200W	PFCR100R400W		
1	0.75	287%	48	65	PFCR65R100W	PFCR65R100W	PFCR65R150W				
1	0.75	382%	48	52	PFCR52R100W	PFCR52R100W					
1 1/2	1.1	100%	48	125	PFCR125R100W	PFCR125R100W	PFCR125R100W	PFCR125R150W	PFCR125R300W		
1 1/2	1.1	156%	48	85	PFCR85R100W	PFCR85R100W	PFCR85R100W	PFCR85R300W			
1 1/2	1.1	235%	48	60	PFCR60R100W	PFCR60R100W	PFCR60R150W				
1 1/2	1.1	296%	48	48	PFCR48R100W	PFCR48R100W					
2	1.50	100%	48	100	PFCR100R100W	PFCR100R100W	PFCR100R100W	PFCR100R200W	PFCR100R400W		
2	1.50	153%	48	65	PFCR65R100W	PFCR65R100W	PFCR65R150W	PFCR65R300W			
2	1.50	217%	48	48	PFCR48R100W	PFCR48R100W	PFCR48R200W				
3	2.2	100%	32	65	PFCR65R100W	PFCR65R100W	PFCR65R150W	PFCR65R300W			
3	2.2	156%	32	44	PFCR44R100W	PFCR44R100W	PFCR44R200W				
3	2.2	222%	32	32	PFCR32R100W	PFCR32R150W	PFCR32R300W				
5	4.00	100%	19	36	PFCR36R100W	PFCR36R100W	PFCR36R200W				
5	4.00	139%	19	25	PFCR25R100W	PFCR25R150W					
5	4.00	205%	19	19	PFCR19R150W						
7 1/2	5.5	100%	12.9	28	PFCR28R100W	PFCR28R150W					
7 1/2	5.5	139%	12.9	19	PFCR19R100W	PFCR19R200W					
7 1/2	5.5	209%	12.9	13	PFCR13R150W						
10	7.50	100%	9.7	19	PFCR19R100W	PFCR19R200W					
10	7.5	145%	9.7	13	PFCR13R150W						

PowerFlex 40 240V

Standard Enclosed Resistor											
ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number						
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	50% OHL	100% OHL
1/2	0.37	100%	48	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W
1/2	0.37	178%	48	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W
1/2	0.37	267%	48	150	PF150R400W	PF150R400W	PF150R400W				
1/2	0.37	357%	48	100	PF100R400W	PF100R400W					
1	0.75	100%	48	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W
1	0.75	191%	48	100	PF100R400W	PF100R400W	PF100R400W	PF100R400W	PF100R400W	PF100R800W	PF100R1K60
1	0.75	287%	48	65	PF65R400W	PF65R400W	PF65R400W				
1	0.75	382%	48	52	PF52R400W	PF52R400W					
1 1/2	1.1	100%	48	125	PF125R400W	PF125R400W	PF125R400W	PF125R400W	PF125R400W	PF125R800W	PF125R1K20
1 1/2	1.1	156%	48	85	PF85R400W	PF85R400W	PF85R400W	PF85R400W	PF85R800W	PF85R1K20	PF85R2K00
1 1/2	1.1	235%	48	60	PF60R400W	PF60R400W	PF60R400W				
1 1/2	1.1	296%	48	48	PF48R400W	PF48R400W					
2	1.50	100%	48	100	PF100R400W	PF100R400W	PF100R400W	PF100R400W	PF100R400W	PF100R800W	PF100R1K60
2	1.50	153%	48	65	PF65R400W	PF65R400W	PF65R400W	PF65R400W	PF65R800W	PF65R1K20	PF65R2K40
2	1.50	217%	48	48	PF48R400W	PF48R400W	PF48R400W				
3	2.2	100%	32	65	PF65R400W	PF65R400W	PF65R400W	PF65R400W	PF65R800W	PF65R1K20	PF65R2K40
3	2.2	156%	32	44	PF44R400W	PF44R400W	PF44R400W	PF44R800W	PF44R1K20	PF44R2K00	PF44R3K60
3	2.2	222%	32	32	PF32R400W	PF32R400W	PF32R400W				
5	4.00	100%	19	36	PF36R400W	PF36R400W	PF36R400W	PF36R800W	PF36R1K20	PF36R2K00	PF36R4K00
5	4.00	139%	19	25	PF25R400W	PF25R400W	PF25R400W	PF25R800W	PF25R1K60	PF25R2K80	PF25R6K87
5	4.00	205%	19	19	PF19R400W	PF19R400W	PF19R800W				
7 1/2	5.5	100%	12.9	28	PF28R400W	PF28R400W	PF28R400W	PF28R800W	PF28R1K60	PF28R2K80	PF28R5K60
7 1/2	5.5	139%	12.9	19	PF19R400W	PF19R400W	PF19R400W	PF19R1K20	PF19R2K00	PF19R4K86	PF19R8K21
7 1/2	5.5	209%	12.9	13	PF13R400W	PF13R400W	PF13R800W				
7 1/2	5.5	220%	12.9	13	PF13R400W	PF13R400W					
10	7.50	100%	9.7	19	PF19R400W	PF19R400W	PF19R400W	PF19R1K20	PF19R2K00	PF19R4K86	PF19R8K21
10	7.50	145%	9.7	13	PF13R400W	PF13R400W	PF13R800W	PF13R1K60	PF13R2K80	PF13R5K45	PF13R11K0
10	7.5	214%	9.7	10.1	PF10F1R400W	PF10F1R400W	PF10F1R800W				

PowerFlex 40 480V

Case Resistor											
ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number						
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	50% OHL	100% OHL
1/2	0.37	100%	97	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W
1/2	0.37	217%	97	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R150W	PFCR150R300W	PFCR150R400W	
1/2	0.37	326%	97	150	PFCR150R100W	PFCR150R100W	PFCR150R100W				
1/2	0.37	434%	97	150	PFCR150R100W	PFCR150R100W					
1	0.75	100%	97	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W	
1	0.75	176%	97	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W		
1	0.75	264%	97	150	PFCR150R100W	PFCR150R100W	PFCR150R100W				
1	0.75	352%	97	150	PFCR150R100W	PFCR150R100W					
2	1.5	100%	97	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W		
2	1.5	153%	97	150	PFCR150R100W	PFCR150R100W	PFCR150R150W	PFCR150R300W			
2	1.5	229%	97	150	PFCR150R100W	PFCR150R100W	PFCR150R200W				
2	1.5	306%	97	125	PFCR125R100W	PFCR125R150W					
3	2.2	100%	97	150	PFCR150R100W	PFCR150R100W	PFCR150R150W	PFCR150R300W			
3	2.2	156%	97	150	PFCR150R100W	PFCR150R100W	PFCR150R200W				
3	2.2	235%	97	100	PFCR100R100W	PFCR100R150W	PFCR100R300W				
3	2.2	292%	97	100	PFCR100R100W	PFCR100R200W					
5	4	100%	77	150	PFCR150R100W	PFCR150R100W	PFCR150R200W				
5	4	167%	77	85	PFCR85R100W	PFCR85R200W	PFCR85R400W				
5	4	203%	77	80	PFCR80R150W	PFCR80R300W					
7 1/2	5.5	100%	55	100	PFCR100R100W	PFCR100R150W	PFCR100R300W				
7 1/2	5.5	139%	55	80	PFCR80R100W	PFCR80R200W	PFCR80R400W				
7 1/2	5.5	206%	55	55	PFCR55R150W	PFCR55R300W					
10	7.5	100%	39	80	PFCR80R100W	PFCR80R200W	PFCR80R400W				
10	7.5	150%	39	52	PFCR52R150W	PFCR52R300W					
10	7.5	213%	39	40	PFCR40R300W	PFCR40R400W					
15	11	100%	24	52	PFCR52R150W	PFCR52R300W					
15	11	146%	24	36	PFCR36R300W						

PowerFlex 40 480V

Standard Enclosed Resistor											
ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number						
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	50% OHL	100% OHL
1/2	0.37	100%	97	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W
1/2	0.37	217%	97	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W
1/2	0.37	326%	97	150	PF150R400W	PF150R400W	PF150R400W				
1/2	0.37	434%	97	150	PF150R400W	PF150R400W					
1	0.75	100%	97	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W
1	0.75	176%	97	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K60
1	0.75	264%	97	150	PF150R400W	PF150R400W	PF150R400W				
1	0.75	352%	97	150	PF150R400W	PF150R400W					
2	1.5	100%	97	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K60
2	1.5	153%	97	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20	PF150R2K40
2	1.5	229%	97	150	PF150R400W	PF150R400W	PF150R400W				
2	1.5	306%	97	125	PF125R400W	PF125R400W					
3	2.2	100%	97	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20	PF150R2K40
3	2.2	156%	97	150	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20	PF150R2K00	PF150R3K60
3	2.2	235%	97	100	PF100R400W	PF100R400W	PF100R400W				
3	2.2	292%	97	100	PF100R400W	PF100R400W					
5	4	100%	77	150	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20	PF150R2K00	PF150R4K00
5	4	167%	77	85	PF85R400W	PF85R400W	PF85R400W	PF85R1K20	PF85R1K60	PF85R3K60	PF85R6K80
5	4	203%	77	80	PF80R400W	PF80R400W	PF80R800W				
7 1/2	5.5	100%	55	100	PF100R400W	PF100R400W	PF100R400W	PF100R800W	PF100R1K60	PF100R2K80	PF100R5K60
7 1/2	5.5	139%	55	80	PF80R400W	PF80R400W	PF80R400W	PF80R1K20	PF80R2K00	PF80R4K00	PF80R8K00
7 1/2	5.5	206%	55	55	PF55R400W	PF55R400W	PF55R800W				
10	7.5	100%	39	80	PF80R400W	PF80R400W	PF80R400W	PF80R1K20	PF80R2K00	PF80R4K00	PF80R7K60
10	7.5	150%	39	52	PF52R400W	PF52R400W	PF52R800W	PF52R1K60	PF52R3K20	PF52R6K00	PF52R13K3
10	7.5	213%	39	40	PF40R400W	PF40R400W	PF40R800W				
15	11	100%	24	52	PF52R400W	PF52R400W	PF52R800W	PF52R1K60	PF52R2K80	PF52R5K60	PF52R13K3
15	11	146%	24	36	PF36R400W	PF36R400W	PF36R1K20	PF36R2K00	PF36R4K00	PF36R9K21	PF36R19K0
15	11	219%	24	25	PF25R400W	PF25R800W	PF25R1K60				
15	11	236%	24	25	PF25R400W	PF25R800W					

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Case Resistor										
ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number					
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	100% OHL
1	0.75	100%	120	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W
1	0.75	163%	120	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W	
1	0.75	244%	120	150	PFCR150R100W	PFCR150R100W	PFCR150R100W			
1	0.75	325%	120	150	PFCR150R100W	PFCR150R100W				
2	1.5	100%	120	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W	
2	1.5	143%	120	150	PFCR150R100W	PFCR150R100W	PFCR150R150W	PFCR150R300W		
2	1.5	215%	120	150	PFCR150R100W	PFCR150R100W	PFCR150R200W			
2	1.5	287%	120	150	PFCR150R100W	PFCR150R150W				
3	2.2	100%	82	150	PFCR150R100W	PFCR150R100W	PFCR150R150W	PFCR150R300W		
3	2.2	137%	82	150	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W		
3	2.2	205%	82	150	PFCR150R100W	PFCR150R150W	PFCR150R300W			
3	2.2	274%	82	150	PFCR150R100W	PFCR150R200W				
5	4	100%	82	150	PFCR150R100W	PFCR150R100W	PFCR150R200W			
5	4	131%	82	150	PFCR150R100W	PFCR150R150W	PFCR150R300W			
5	4	197%	82	100	PFCR100R100W	PFCR100R200W	PFCR100R400W			
5	4	263%	82	85	PFCR85R150W	PFCR85R300W				
7 1/2	5.5	100%	51	150	PFCR150R100W	PFCR150R150W	PFCR150R300W			
7 1/2	5.5	143%	51	100	PFCR100R100W	PFCR100R200W	PFCR100R400W			
7 1/2	5.5	215%	51	80	PFCR80R150W	PFCR80R300W				
7 1/2	5.5	287%	51	60	PFCR60R200W	PFCR60R400W				
10	7.5	100%	51	125	PFCR125R100W	PFCR125R200W	PFCR125R400W			
10	7.5	132%	51	85	PFCR85R150W	PFCR85R300W				
10	7.5	198%	51	65	PFCR65R200W	PFCR65R400W				
10	7.5	255%	51	52	PFCR52R300W					
15	11	100%	51	85	PFCR85R150W	PFCR85R300W				
15	11	145%	51	60	PFCR60R200W	PFCR60R400W				
15	11	174%	51	52	PFCR52R300W					

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Standard Enclosed Resistor											
ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number						
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	50% OHL	100% OHL
1	0.75	100%	120	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W
1	0.75	163%	120	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20
1	0.75	244%	120	150	PF150R400W	PF150R400W	PF150R400W				
1	0.75	325%	120	150	PF150R400W	PF150R400W					
2	1.5	100%	120	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K60
2	1.5	143%	120	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20	PF150R2K40
2	1.5	215%	120	150	PF150R400W	PF150R400W	PF150R400W				
2	1.5	287%	120	150	PF150R400W	PF150R400W					
3	2.2	100%	82	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20	PF150R2K40
3	2.2	137%	82	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K60	PF150R3K20
3	2.2	205%	82	150	PF150R400W	PF150R400W	PF150R400W				
3	2.2	274%	82	150	PF150R400W	PF150R400W					
5	4	100%	82	150	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20	PF150R2K00	PF150R4K00
5	4	131%	82	150	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K60	PF150R2K80	PF150R5K60
5	4	197%	82	100	PF100R400W	PF100R400W	PF100R400W				
5	4	263%	82	85	PF85R400W	PF85R400W					
7 1/2	5.5	100%	51	150	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K60	PF150R2K80	PF150R5K60
7 1/2	5.5	143%	51	100	PF100R400W	PF100R400W	PF100R400W	PF100R1K20	PF100R2K00	PF100R4K00	PF100R8K00
7 1/2	5.5	215%	51	80	PF80R400W	PF80R400W	PF80R800W				
7 1/2	5.5	287%	51	60	PF60R400W	PF60R400W					
10	7.5	100%	51	125	PF125R400W	PF125R400W	PF125R400W	PF125R1K20	PF125R2K00	PF125R4K00	PF125R7K60
10	7.5	132%	51	85	PF85R400W	PF85R400W	PF85R800W	PF85R1K60	PF85R2K80	PF85R5K20	PF85R10K0
10	7.5	198%	51	65	PF65R400W	PF65R400W	PF65R800W				
10	7.5	255%	51	52	PF52R400W	PF52R800W					
15	11	100%	51	85	PF85R400W	PF85R400W	PF85R800W	PF85R1K60	PF85R2K80	PF85R5K60	PF85R11K2
15	11	145%	51	60	PF60R400W	PF60R400W	PF60R800W	PF60R2K00	PF60R4K00	PF60R8K00	PF60R15K8
15	11	174%	51	52	PF52R400W	PF52R800W	PF52R1K20				

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Case Resistor											
ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number						
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	50% OHL	100% OHL
1/2	0.37	100%	30	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W
1/2	0.37	171%	30	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W	
1/2	0.37	188%	30	150	PFCR150R100W	PFCR150R100W	PFCR150R100W				
1/2	0.37	256%	30	150	PFCR150R100W	PFCR150R100W					
1	0.75	100%	30	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W	
1	0.75	161%	30	125	PFCR125R100W	PFCR125R100W	PFCR125R100W	PFCR125R200W	PFCR125R400W		
1	0.75	184%	30	100	PFCR100R100W	PFCR100R100W	PFCR100R100W				
1	0.75	245%	30	80	PFCR80R100W	PFCR80R100W					
2	1.5	100%	30	100	PFCR100R100W	PFCR100R100W	PFCR100R100W	PFCR100R200W	PFCR100R400W		
2	1.5	130%	30	80	PFCR80R100W	PFCR80R100W	PFCR80R100W	PFCR80R300W			
2	1.5	172%	30	60	PFCR60R100W	PFCR60R100W	PFCR60R150W				
2	1.5	229%	30	44	PFCR44R100W	PFCR44R100W					
3	2.2	100%	30	65	PFCR65R100W	PFCR65R100W	PFCR65R150W	PFCR65R300W			
3	2.2	125%	30	52	PFCR52R100W	PFCR52R100W	PFCR52R150W	PFCR52R400W			
3	2.2	138%	30	48	PFCR48R100W	PFCR48R100W	PFCR48R200W				
3	2.2	188%	30	36	PFCR36R100W	PFCR36R150W					
5	4	100%	28	36	PFCR36R100W	PFCR36R100W	PFCR36R200W				
5	4	122%	28	32	PFCR32R100W	PFCR32R150W	PFCR32R300W				
5	4	139%	28	28	PFCR28R100W	PFCR28R150W					
7 1/2	5.5	100%	21	28	PFCR28R100W	PFCR28R150W					
7 1/2	5.5	127%	21	23	PFCR23R100W	PFCR23R200W					
7 1/2	5.5	135%	21	21	PFCR21R100W	PFCR21R200W					
10	7.5	99%	21	21	PFCR21R100W	PFCR21R200W					

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Standard Enclosed Resistor											
ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number						
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	50% OHL	100% OHL
1/2	0.37	100%	30	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W
1/2	0.37	171%	30	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W
1/2	0.37	188%	30	150	PF150R400W	PF150R400W	PF150R400W				
1/2	0.37	256%	30	150	PF150R400W	PF150R400W					
1	0.75	100%	30	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W
1	0.75	161%	30	125	PF125R400W	PF125R400W	PF125R400W	PF125R400W	PF125R400W	PF125R800W	PF125R1K20
1	0.75	184%	30	100	PF100R400W	PF100R400W	PF100R400W				
1	0.75	245%	30	80	PF80R400W	PF80R400W					
2	1.5	100%	30	100	PF100R400W	PF100R400W	PF100R400W	PF100R400W	PF100R400W	PF100R800W	PF100R1K60
2	1.5	130%	30	80	PF80R400W	PF80R400W	PF80R400W	PF80R400W	PF80R800W	PF80R1K20	PF80R2K00
2	1.5	172%	30	60	PF60R400W	PF60R400W	PF60R400W				
2	1.5	229%	30	44	PF44R400W	PF44R400W					
3	2.2	100%	30	65	PF65R400W	PF65R400W	PF65R400W	PF65R400W	PF65R800W	PF65R1K20	PF65R2K40
3	2.2	125%	30	52	PF52R400W	PF52R400W	PF52R400W	PF52R400W	PF52R800W	PF52R1K60	PF52R2K80
3	2.2	138%	30	48	PF48R400W	PF48R400W	PF48R400W				
3	2.2	188%	30	36	PF36R400W	PF36R400W					
5	4	100%	28	36	PF36R400W	PF36R400W	PF36R400W	PF36R800W	PF36R1K20	PF36R2K00	PF36R4K00
5	4	122%	28	32	PF32R400W	PF32R400W	PF32R400W	PF32R800W	PF32R1K60	PF32R2K80	PF32R5K20
5	4	139%	28	28	PF28R400W	PF28R400W	PF28R400W				
7 1/2	5.5	100%	21	28	PF28R400W	PF28R400W	PF28R400W	PF28R800W	PF28R1K60	PF28R2K80	PF28R5K60
7 1/2	5.5	127%	21	23	PF23R400W	PF23R400W	PF23R400W	PF23R1K20	PF23R2K00	PF23R3K60	PF23R7K45
7 1/2	5.5	135%	21	21	PF21R400W	PF21R400W	PF21R400W				
10	7.5	99%	21	21	PF21R400W	PF21R400W	PF21R400W	PF21R1K20	PF21R2K00	PF21R4K00	PF21R7K42

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Case Resistor											
ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number						
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	50% OHL	100% OHL
1/2	0.37	100%	62	150	PFCR150R100W	PFCR150R100W	PF150R400W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W
1/2	0.37	171%	62	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W	
1/2	0.37	188%	62	150	PFCR150R100W	PFCR150R100W	PFCR150R100W				
1/2	0.37	256%	62	150	PFCR150R100W	PFCR150R100W	PFCR150R100W				
1	0.75	100%	62	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W	
1	0.75	161%	62	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W		
1	0.75	184%	62	150	PFCR150R100W	PFCR150R100W	PFCR150R100W				
1	0.75	245%	62	150	PFCR150R100W	PFCR150R100W					
2	1.5	100%	62	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W		
2	1.5	130%	62	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R300W			
2	1.5	172%	62	150	PFCR150R100W	PFCR150R100W	PFCR150R150W				
2	1.5	229%	62	150	PFCR150R100W	PFCR150R100W					
3	2.2	100%	62	150	PFCR150R100W	PFCR150R100W	PFCR150R150W	PFCR150R300W			
3	2.2	130%	62	150	PFCR150R100W	PFCR150R100W	PFCR150R150W	PFCR150R400W			
3	2.2	143%	62	150	PFCR150R100W	PFCR150R100W	PFCR150R200W				
3	2.2	196%	62	125	PFCR125R100W	PFCR125R150W					
5	4	100%	62	150	PFCR150R100W	PFCR150R100W	PFCR150R200W				
5	4	127%	62	100	PFCR100R100W	PFCR100R150W	PFCR100R300W				
5	4	140%	62	100	PFCR100R100W	PFCR100R150W	PFCR100R300W				
5	4	191%	62	80	PFCR80R100W	PFCR80R200W					
7 1/2	5.5	100%	67	100	PFCR100R100W	PFCR100R150W	PFCR100R300W				
7 1/2	5.5	127%	67	85	PFCR85R100W	PFCR85R200W	PFCR85R400W				
7 1/2	5.5	140%	67	80	PFCR80R100W	PFCR80R200W	PFCR80R400W				
7 1/2	5.5	169%	67	70	PFCR70R150W	PFCR70R300W					
10	7.5	100%	67	80	PFCR80R100W	PFCR80R200W	PFCR80R400W				
10	7.5	123%	67	70	PFCR70R150W	PFCR70R300W					
15	11	100%	40	52	PFCR52R150W	PFCR52R300W					
15	11	134%	40	40	PFCR40R200W	PFCR40R400W					
15	11	142%	40	40	PFCR40R200W	PFCR40R400W					
20	15	100%	28	40	PFCR40R200W	PFCR40R400W					
20	15	122%	28	32	PFCR32R300W						
25	18.5	100%	25	32	PFCR32R300W						

PowerFlex 70 480V

Standard Enclosed Resistor											
ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number						
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	50% OHL	100% OHL
1/2	0.37	100%	62	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W
1/2	0.37	171%	62	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W
1/2	0.37	188%	62	150	PF150R400W	PF150R400W	PF150R400W				
1/2	0.37	256%	62	150	PF150R400W	PF150R400W					
1	0.75	100%	62	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W
1	0.75	161%	62	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20
1	0.75	184%	62	150	PF150R400W	PF150R400W	PF150R400W				
1	0.75	245%	62	150	PF150R400W	PF150R400W					
2	1.5	100%	62	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K60
2	1.5	130%	62	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20	PF150R2K00
2	1.5	172%	62	150	PF150R400W	PF150R400W	PF150R400W				
2	1.5	229%	62	150	PF150R400W	PF150R400W					
3	2.2	100%	62	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20	PF150R2K40
3	2.2	130%	62	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K60	PF150R2K80
3	2.2	143%	62	150	PF150R400W	PF150R400W	PF150R400W				
3	2.2	196%	62	125	PF125R400W	PF125R400W					
5	4	100%	62	150	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20	PF150R2K00	PF150R4K00
5	4	127%	62	100	PF100R400W	PF100R400W	PF100R400W	PF100R800W	PF100R1K60	PF100R2K80	PF100R5K20
5	4	140%	62	100	PF100R400W	PF100R400W	PF100R400W				
5	4	191%	62	80	PF80R400W	PF80R400W					
7 1/2	5.5	100%	67	100	PF100R400W	PF100R400W	PF100R400W	PF100R800W	PF100R1K60	PF100R2K80	PF100R5K60
7 1/2	5.5	127%	67	85	PF85R400W	PF85R400W	PF85R400W	PF85R1K20	PF85R2K00	PF85R3K60	PF85R7K20
7 1/2	5.5	140%	67	80	PF80R400W	PF80R400W	PF80R400W				
7 1/2	5.5	169%	67	70	PF70R400W	PF70R400W					
10	7.5	100%	67	80	PF80R400W	PF80R400W	PF80R400W	PF80R1K20	PF80R2K00	PF80R4K00	PF80R7K60
10	7.5	123%	67	70	PF70R400W	PF70R400W	PF70R800W	PF70R1K20	PF70R2K40	PF70R4K80	PF70R9K60
15	11	100%	40	52	PF52R400W	PF52R400W	PF52R800W	PF52R1K60	PF52R2K80	PF52R5K60	PF52R13K3
15	11	134%	40	40	PF40R400W	PF40R400W	PF40R800W	PF40R2K00	PF40R4K00	PF40R10K2	PF40R16K0
15	11	142%	40	40	PF40R400W	PF40R400W	PF40R800W				
20	15	100%	28	40	PF40R400W	PF40R400W	PF40R800W	PF40R2K00	PF40R4K00	PF40R10K2	PF40R16K0
20	15	122%	28	32	PF32R400W	PF32R800W	PF32R1K20	PF32R2K40	PF32R4K80	PF32R9K14	PF32R18K2
20	15	149%	28	28	PF28R400W	PF28R800W	PF28R1K20				
25	18.5	100%	25	32	PF32R400W	PF32R800W	PF32R1K20	PF32R2K40	PF32R4K80	PF32R10K3	PF32R21K6
25	18.5	124%	25	25	PF25R400W	PF25R800W	PF25R1K20	PF25R3K20	PF25R6K87	PF25R13K7	PF25R25K6
25	18.5	135%	25	25	PF25R400W	PF25R800W	PF25R1K60				
30	22	100%	25	28	PF28R400W	PF28R800W	PF28R1K20	PF28R2K80	PF28R5K60	PF28R11K2	PF28R23K5
30	22	113%	25	25	PF25R400W	PF25R800W	PF25R1K60	PF25R3K20	PF25R6K87	PF25R13K7	PF25R25K6
40	30	100%	19	19	PF19R400W	PF19R800W	PF19R1K60	PF19R4K86	PF19R8K21	PF19R16K4	PF19R30K4
40	30	109%	19	19	PF19R400W	PF19R1K20	PF19R2K00	PF19R4K86	PF19R8K21	PF19R16K4	PF19R40K2
50	37	89%	19	19	PF19R400W	PF19R800W	PF19R1K60	PF19R4K86	PF19R10K0	PF19R19K4	PF19R40K2

PowerFlex 70 600V

Case Resistor

ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number						
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	50% OHL	100% OHL
1/2	0.37	100%	106	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W
1/2	0.37	174%	106	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W	
1/2	0.37	203%	106	150	PFCR150R100W	PFCR150R100W	PFCR150R100W				
1/2	0.37	271%	106	150	PFCR150R100W	PFCR150R100W					
1	0.75	100%	106	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W	
1	0.75	163%	106	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W		
1	0.75	186%	106	150	PFCR150R100W	PFCR150R100W	PFCR150R100W				
1	0.75	249%	106	150	PFCR150R100W	PFCR150R100W					
2	1.5	100%	106	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W		
2	1.5	129%	106	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R300W			
2	1.5	172%	106	150	PFCR150R100W	PFCR150R100W	PFCR150R150W				
2	1.5	229%	106	150	PFCR150R100W	PFCR150R100W					
3	2.2	100%	106	150	PFCR150R100W	PFCR150R100W	PFCR150R150W	PFCR150R300W			
3	2.2	127%	106	150	PFCR150R100W	PFCR150R100W	PFCR150R150W	PFCR150R400W			
3	2.2	140%	106	150	PFCR150R100W	PFCR150R100W	PFCR150R200W				
3	2.2	191%	106	150	PFCR150R100W	PFCR150R150W					
5	4	100%	73	150	PFCR150R100W	PFCR150R100W	PFCR150R200W				
5	4	122%	73	150	PFCR150R100W	PFCR150R150W	PFCR150R300W				
5	4	134%	73	150	PFCR150R100W	PFCR150R150W	PFCR150R300W				
5	4	182%	73	125	PFCR125R100W	PFCR125R200W					
7 1/2	5.5	100%	73	150	PFCR150R100W	PFCR150R150W	PFCR150R300W				
7 1/2	5.5	130%	73	125	PFCR125R100W	PFCR125R200W	PFCR125R400W				
7 1/2	5.5	143%	73	100	PFCR100R100W	PFCR100R200W	PFCR100R400W				
7 1/2	5.5	196%	73	85	PFCR85R150W	PFCR85R300W					
10	7.5	100%	73	125	PFCR125R100W	PFCR125R200W	PFCR125R400W				
10	7.5	121%	73	100	PFCR100R150W	PFCR100R300W					
10	7.5	149%	73	85	PFCR85R150W	PFCR85R300W					
10	7.5	178%	73	80	PFCR80R200W	PFCR80R400W					
15	11	100%	44	85	PFCR85R150W	PFCR85R300W					
15	11	129%	44	65	PFCR65R200W	PFCR65R400W					
15	11	142%	44	60	PFCR60R200W	PFCR60R400W					
15	11	194%	44	44	PFCR44R300W						
20	15	100%	44	65	PFCR65R200W	PFCR65R400W					
20	15	124%	44	52	PFCR52R300W						
20	15	144%	44	44	PFCR44R300W						

PowerFlex 70 600V

Standard Enclosed Resistor											
ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number						
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	50% OHL	100% OHL
1/2	0.37	100%	106	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W
1/2	0.37	174%	106	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W
1/2	0.37	203%	106	150	PF150R400W	PF150R400W	PF150R400W				
1/2	0.37	271%	106	150	PF150R400W	PF150R400W					
1	0.75	100%	106	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W
1	0.75	163%	106	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20
1	0.75	186%	106	150	PF150R400W	PF150R400W	PF150R400W				
1	0.75	249%	106	150	PF150R400W	PF150R400W					
2	1.5	100%	106	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K60
2	1.5	129%	106	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20	PF150R2K00
2	1.5	172%	106	150	PF150R400W	PF150R400W	PF150R400W				
2	1.5	229%	106	150	PF150R400W	PF150R400W					
3	2.2	100%	106	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20	PF150R2K40
3	2.2	127%	106	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K60	PF150R2K80
3	2.2	140%	106	150	PF150R400W	PF150R400W	PF150R400W				
3	2.2	191%	106	150	PF150R400W	PF150R400W					
5	4	100%	73	150	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20	PF150R2K00	PF150R4K00
5	4	122%	73	150	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K60	PF150R2K80	PF150R5K20
5	4	134%	73	150	PF150R400W	PF150R400W	PF150R400W				
5	4	182%	73	125	PF125R400W	PF125R400W					
7 1/2	5.5	100%	73	150	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K60	PF150R2K80	PF150R5K60
7 1/2	5.5	130%	73	125	PF125R400W	PF125R400W	PF125R400W	PF125R1K20	PF125R2K00	PF125R3K60	PF125R7K20
7 1/2	5.5	143%	73	100	PF100R400W	PF100R400W	PF100R400W				
7 1/2	5.5	196%	73	85	PF85R400W	PF85R400W					
10	7.5	100%	73	125	PF125R400W	PF125R400W	PF125R400W	PF125R1K20	PF125R2K00	PF125R4K00	PF125R7K60
10	7.5	121%	73	100	PF100R400W	PF100R400W	PF100R800W	PF100R1K20	PF100R2K40	PF100R4K80	PF100R9K20
10	7.5	149%	73	85	PF85R400W	PF85R400W	PF85R800W				
10	7.5	178%	73	80	PF80R400W	PF80R400W					
15	11	100%	44	85	PF85R400W	PF85R400W	PF85R800W	PF85R1K60	PF85R2K80	PF85R5K60	PF85R11K2
15	11	129%	44	65	PF65R400W	PF65R400W	PF65R800W	PF65R2K00	PF65R3K60	PF65R7K20	PF65R16K6
15	11	142%	44	60	PF60R400W	PF60R400W	PF60R800W				
15	11	194%	44	44	PF44R400W	PF44R800W					
20	15	100%	44	65	PF65R400W	PF65R400W	PF65R800W	PF65R2K00	PF65R4K00	PF65R7K60	PF65R16K6
20	15	124%	44	52	PF52R400W	PF52R800W	PF52R1K20	PF52R2K40	PF52R4K80	PF52R9K60	PF52R18K6
20	15	144%	44	44	PF44R400W	PF44R800W	PF44R1K20				



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PowerFlex 700 240V

Case Resistor											
ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number						
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	50% OHL	100% OHL
1/2	0.37	100%	36	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W
1/2	0.37	171%	36	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W	
1/2	0.37	188%	36	150	PFCR150R100W	PFCR150R100W	PFCR150R100W				
1/2	0.37	256%	36	150	PFCR150R100W	PFCR150R100W					
1	0.75	100%	36	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W	
1	0.75	161%	36	125	PFCR125R100W	PFCR125R100W	PFCR125R100W	PFCR125R200W	PFCR125R400W		
1	0.75	184%	36	100	PFCR100R100W	PFCR100R100W	PFCR100R100W				
1	0.75	245%	36	80	PFCR80R100W	PFCR80R100W					
2	1.5	100%	36	100	PFCR100R100W	PFCR100R100W	PFCR100R100W	PFCR100R200W	PFCR100R400W		
2	1.5	130%	36	80	PFCR80R100W	PFCR80R100W	PFCR80R100W	PFCR80R300W			
2	1.5	172%	36	60	PFCR60R100W	PFCR60R100W	PFCR60R150W				
2	1.5	229%	36	44	PFCR44R100W	PFCR44R100W					
3	2.2	100%	36	65	PFCR65R100W	PFCR65R100W	PFCR65R150W	PFCR65R300W			
3	2.2	125%	36	52	PFCR52R100W	PFCR52R100W	PFCR52R150W	PFCR52R400W			
3	2.2	138%	36	48	PFCR48R100W	PFCR48R100W	PFCR48R200W				
3	2.2	188%	36	36	PFCR36R100W	PFCR36R150W					
5	4	100%	30	36	PFCR36R100W	PFCR36R100W	PFCR36R200W				
5	4	122%	30	32	PFCR32R100W	PFCR32R150W	PFCR32R300W				
5	4	130%	30	32	PFCR32R100W	PFCR32R150W	PFCR32R300W				
7 1/2	5.5	100%	23	28	PFCR28R100W	PFCR28R150W					
7 1/2	5.5	123%	23	23	PFCR23R100W	PFCR23R200W					
10	7.5	99%	21	21	PFCR21R100W	PFCR21R200W					
15	11	100%	11.2	13	PFCR13R150W						

PowerFlex 700 240V

Standard Enclosed Resistor											
ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number						
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	50% OHL	100% OHL
1/2	0.37	100%	36	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W
1/2	0.37	171%	36	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W
1/2	0.37	188%	36	150	PF150R400W	PF150R400W	PF150R400W				
1/2	0.37	256%	36	150	PF150R400W	PF150R400W					
1	0.75	100%	36	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W
1	0.75	161%	36	125	PF125R400W	PF125R400W	PF125R400W	PF125R400W	PF125R400W	PF125R800W	PF125R1K60
1	0.75	184%	36	100	PF100R400W	PF100R400W	PF100R400W				
1	0.75	245%	36	80	PF80R400W	PF80R400W					
2	1.5	100%	36	100	PF100R400W	PF100R400W	PF100R400W	PF100R400W	PF100R400W	PF100R800W	PF100R1K60
2	1.5	130%	36	80	PF80R400W	PF80R400W	PF80R400W	PF80R400W	PF80R800W	PF80R1K20	PF80R2K00
2	1.5	172%	36	60	PF60R400W	PF60R400W	PF60R400W				
2	1.5	229%	36	44	PF44R400W	PF44R400W					
3	2.2	100%	36	65	PF65R400W	PF65R400W	PF65R400W	PF65R400W	PF65R800W	PF65R1K20	PF65R2K40
3	2.2	125%	36	52	PF52R400W	PF52R400W	PF52R400W	PF52R400W	PF52R800W	PF52R1K60	PF52R2K80
3	2.2	138%	36	48	PF48R400W	PF48R400W	PF48R400W				
3	2.2	188%	36	36	PF36R400W	PF36R400W					
5	4	100%	30	36	PF36R400W	PF36R400W	PF36R400W	PF36R800W	PF36R1K20	PF36R2K00	PF36R4K00
5	4	122%	30	32	PF32R400W	PF32R400W	PF32R400W	PF32R800W	PF32R1K60	PF32R2K80	PF32R5K20
5	4	130%	30	32	PF32R400W	PF32R400W	PF32R400W				
7 1/2	5.5	100%	23	28	PF28R400W	PF28R400W	PF28R400W	PF28R800W	PF28R1K60	PF28R2K80	PF28R5K60
7 1/2	5.5	123%	23	23	PF23R400W	PF23R400W	PF23R400W	PF23R1K20	PF23R2K00	PF23R3K60	PF23R7K45
10	7.5	99%	21	21	PF21R400W	PF21R400W	PF21R400W	PF21R1K20	PF21R2K00	PF21R4K00	PF21R7K42
15	11	100%	11.2	13	PF13R400W	PF13R400W	PF13R800W	PF13R1K60	PF13R2K80	PF13R5K45	PF13R11K0
15	11	127%	11.2	11.5	PF11F5R400W	PF11F5R400W	PF11F5R800W	PF11F5R2K00	PF11F5R3K72	PF11F5R7K77	PF11F5R14K9
20	15	100%	9.2	9.2	PF9F2R400W	PF9F2R400W	PF9F2R800W	PF9F2R2K00	PF9F2R3K75	PF9F2R7K73	PF9F2R15K0
20	15	113%	9.2	9.2	PF9F2R400W	PF9F2R800W	PF9F2R1K20	PF9F2R2K35	PF9F2R4K86	PF9F2R9K42	PF9F2R19K4
25	18.5	92%	9.2	9.2	PF9F2R400W	PF9F2R800W	PF9F2R1K20	PF9F2R2K35	PF9F2R4K86	PF9F2R9K42	PF9F2R19K4
30	22	100%	7	7.0	PF7R400W	PF7R800W	PF7R1K20	PF7R2K80	PF7R6K23	PF7R11K2	PF7R23K5
40	30	100%	4.6	5.1	PF5F1R400W	PF5F1R800W	PF5F1R1K60	PF5F1R4K29	PF5F1R8K16	PF5F1R17K1	PF5F1R32K6
40	30	113%	4.6	4.6	PF4F6R400W	PF4F6R800W	PF4F6R1K80	PF4F6R4K71	PF4F6R9K73	PF4F6R18K8	PF4F6R34K8
50	37	92%	4.6	4.6	PF4F6R400W	PF4F6R800W	PF4F6R1K80	PF4F6R4K71	PF4F6R9K73	PF4F6R18K8	PF4F6R34K8
60	45	100%	2.1	3.3	PF3F3R800W	PF3F3R1K20	PF3F3R2K77	PF3F3R6K98	PF3F3R13K5	PF3F3R24K9	PF3F3R47K5
60	45	119%	2.1	2.3	PF2F3R800W	PF2F3R1K60	PF2F3R2K98	PF2F3R7K73	PF2F3R14K7	PF2F3R27K5	PF2F3R55K0
60	45	150%	2.1	2.3	PF2F3R1K20	PF2F3R1K93	PF2F3R3K68				
60	45	165%	2.1	2.1	PF2F1R1K20	PF2F1R2K15					
75	55	100%	2.1	2.3	PF2F3R800W	PF2F3R1K60	PF2F3R2K98	PF2F3R7K73	PF2F3R14K7	PF2F3R27K5	PF2F3R55K0
75	55	121%	2.1	2.3	PF2F3R1K20	PF2F3R1K66	PF2F3R3K68	PF2F3R9K42	PF2F3R17K4	PF2F3R33K2	PF2F3R74K5
75	55	135%	2.1	2.1	PF2F1R1K20	PF2F1R2K15	PF2F1R4K44				



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PowerFlex 700 480V

Case Resistor											
ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number						
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	50% OHL	100% OHL
1/2	0.37	100%	63	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W
1/2	0.37	171%	63	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W	
1/2	0.37	188%	63	150	PFCR150R100W	PFCR150R100W	PFCR150R100W				
1/2	0.37	256%	63	150	PFCR150R100W	PFCR150R100W					
1	0.75	100%	63	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W	
1	0.75	161%	63	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W		
1	0.75	184%	63	150	PFCR150R100W	PFCR150R100W	PFCR150R100W				
1	0.75	245%	63	150	PFCR150R100W	PFCR150R100W					
2	1.5	100%	63	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W		
2	1.5	130%	63	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R300W			
2	1.5	172%	63	150	PFCR150R100W	PFCR150R100W	PFCR150R150W				
2	1.5	229%	63	150	PFCR150R100W	PFCR150R100W					
3	2.2	100%	63	150	PFCR150R100W	PFCR150R100W	PFCR150R150W	PFCR150R300W			
3	2.2	130%	63	150	PFCR150R100W	PFCR150R100W	PFCR150R150W	PFCR150R400W			
3	2.2	143%	63	150	PFCR150R100W	PFCR150R100W	PFCR150R200W				
3	2.2	196%	63	125	PFCR125R100W	PFCR125R150W					
5	4	100%	63	150	PFCR150R100W	PFCR150R100W	PFCR150R200W				
5	4	127%	63	100	PFCR100R100W	PFCR100R150W	PFCR100R300W				
5	4	140%	63	100	PFCR100R100W	PFCR100R150W	PFCR100R300W				
5	4	191%	63	80	PFCR80R100W	PFCR80R200W					
7 1/2	5.5	100%	63	100	PFCR100R100W	PFCR100R150W	PFCR100R300W				
7 1/2	5.5	127%	63	85	PFCR85R100W	PFCR85R200W	PFCR85R400W				
7 1/2	5.5	140%	63	80	PFCR80R100W	PFCR80R200W	PFCR80R400W				
7 1/2	5.5	180%	63	65	PFCR65R150W	PFCR65R300W					
10	7.5	100%	63	80	PFCR80R100W	PFCR80R200W	PFCR80R400W				
10	7.5	123%	63	70	PFCR70R150W	PFCR70R300W					
15	11	100%	44	52	PFCR52R150W	PFCR52R300W					
15	11	129%	44	44	PFCR44R200W	PFCR44R400W					
20	15	100%	40	44	PFCR44R200W	PFCR44R400W					
25	18.5	100%	28	32	PFCR32R300W						

PowerFlex 700 480V

Standard Enclosed Resistor											
ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number						
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	50% OHL	100% OHL
1/2	0.37	100%	63	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W
1/2	0.37	171%	63	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W
1/2	0.37	188%	63	150	PF150R400W	PF150R400W	PF150R400W				
1/2	0.37	256%	63	150	PF150R400W	PF150R400W					
1	0.75	100%	63	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W
1	0.75	161%	63	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20
1	0.75	184%	63	150	PF150R400W	PF150R400W	PF150R400W				
1	0.75	245%	63	150	PF150R400W	PF150R400W					
2	1.5	100%	63	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K60
2	1.5	130%	63	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20	PF150R2K00
2	1.5	172%	63	150	PF150R400W	PF150R400W	PF150R400W				
2	1.5	229%	63	150	PF150R400W	PF150R400W					
3	2.2	100%	63	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20	PF150R2K40
3	2.2	130%	63	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K60	PF150R2K80
3	2.2	143%	63	150	PF150R400W	PF150R400W	PF150R400W				
3	2.2	196%	63	125	PF125R400W	PF125R400W					
5	4	100%	63	150	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20	PF150R2K00	PF150R4K00
5	4	127%	63	100	PF100R400W	PF100R400W	PF100R400W	PF100R800W	PF100R1K60	PF100R2K80	PF100R5K20
5	4	140%	63	100	PF100R400W	PF100R400W	PF100R400W				
5	4	191%	63	80	PF80R400W	PF80R400W					
7 1/2	5.5	100%	63	100	PF100R400W	PF100R400W	PF100R400W	PF100R800W	PF100R1K60	PF100R2K80	PF100R5K60
7 1/2	5.5	127%	63	85	PF85R400W	PF85R400W	PF85R400W	PF85R1K20	PF85R2K00	PF85R3K60	PF85R7K20
7 1/2	5.5	140%	63	80	PF80R400W	PF80R400W	PF80R400W				
7 1/2	5.5	180%	63	65	PF65R400W	PF65R400W					
10	7.5	100%	63	80	PF80R400W	PF80R400W	PF80R400W	PF80R1K20	PF80R2K00	PF80R4K00	PF80R7K60
10	7.5	123%	63	70	PF70R400W	PF70R400W	PF70R800W	PF70R1K20	PF70R2K40	PF70R4K80	PF70R9K60
10	7.5	132%	63	65	PF65R400W	PF65R400W	PF65R800W				
15	11	100%	44	52	PF52R400W	PF52R400W	PF52R800W	PF52R1K60	PF52R2K80	PF52R5K60	PF52R13K3
15	11	129%	44	44	PF44R400W	PF44R400W	PF44R800W	PF44R2K00	PF44R3K60	PF44R7K20	PF44R15K0
20	15	104%	40	40	PF40R400W	PF40R400W	PF40R800W	PF40R2K00	PF40R4K00	PF40R10K2	PF40R16K0
25	18.5	100%	28	32	PF32R400W	PF32R800W	PF32R1K20	PF32R2K40	PF32R4K80	PF32R10K3	PF32R21K6
25	18.5	120%	28	28	PF28R400W	PF28R800W	PF28R1K20	PF28R2K80	PF28R5K60	PF28R11K2	PF28R23K5
30	22	100%	22	28	PF28R400W	PF28R800W	PF28R1K20	PF28R2K80	PF28R5K60	PF28R11K2	PF28R23K5
30	22	123%	22	23	PF23R400W	PF23R800W	PF23R1K60	PF23R3K60	PF23R7K45	PF23R15K5	PF23R29K8
40	30	100%	19	19	PF19R400W	PF19R800W	PF19R1K60	PF19R4K86	PF19R8K21	PF19R16K4	PF19R30K4
40	30	109%	19	19	PF19R800W	PF19R1K20	PF19R2K00	PF19R4K86	PF19R8K21	PF19R16K4	PF19R40K2
50	37	89%	19	19	PF19R800W	PF19R1K20	PF19R2K00	PF19R4K86	PF19R10K0	PF19R19K4	PF19R40K2
60	45	90%	15.4	15.4	PF15F4R800W	PF15F4R1K20	PF15F4R2K40	PF15F4R5K06	PF15F4R10K4	PF15F4R20K2	PF15F4R41K6
75	55	100%	9.2	9.2	PF9F2R800W	PF9F2R1K60	PF9F2R2K98	PF9F2R7K73	PF9F2R15K0	PF9F2R30K9	PF9F2R58K8
75	55	121%	9.2	9.2	PF9F2R1K20	PF9F2R2K00	PF9F2R3K75	PF9F2R9K42	PF9F2R19K4	PF9F2R37K6	PF9F2R69K6
100	75	90%	9.2	9.2	PF9F2R1K20	PF9F2R2K00	PF9F2R3K75	PF9F2R9K42	PF9F2R19K4	PF9F2R37K6	PF9F2R69K6
125	90	100%	4.6	7.0	PF7R1K20	PF7R2K26	PF7R4K73	PF7R11K2	PF7R23K5	PF7R45K0	PF7R110K0
125	90	120%	4.6	5.1	PF5F1R1K60	PF5F1R2K70	PF5F1R5K40	PF5F1R13K7	PF5F1R27K5	PF5F1R59K4	PF5F1R114K4
125	90	145%	4.6	4.6	PF4F6R1K62	PF4F6R3K86	PF4F6R7K36				
150	110	100%	4.6	5.1	PF5F1R1K60	PF5F1R3K44	PF5F1R6K60	PF5F1R13K7	PF5F1R27K5	PF5F1R59K4	PF5F1R114K4
150	110	113%	4.6	4.6	PF4F6R1K60	PF4F6R3K12	PF4F6R7K36	PF4F6R15K6	PF4F6R34K8	PF4F6R66K2	PF4F6R149K9
150	110	123%	4.6	4.6	PF4F6R1K80	PF4F6R3K86	PF4F6R7K36				
200	150	100%	3.3	3.3	PF3F3R1K87	PF3F3R4K29	PF3F3R9K25	PF3F3R21K4	PF3F3R38K4	PF3F3R75K0	PF3F3R150K0
200	150	115%	3.3	3.3	PF3F3R2K23	PF3F3R4K29	PF3F3R9K25	PF3F3R21K4	PF3F3R47K5	PF3F3R106K6	PF3F3R214K4
200	150	126%	3.3	3.3	PF3F3R2K77	PF3F3R6K98	PF3F3R11K1				

PowerFlex 700H 480V



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Standard Enclosed Resistor											
ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number						
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	50% OHL	100% OHL
200	150	100%	3.3	3.3	PF3F3R1K87	PF3F3R4K29	PF3F3R9K25	PF3F3R21K4	PF3F3R38K4	PF3F3R75K0	PF3F3R150K0
200	150	115%	3.3	3.3	PF3F3R2K23	PF3F3R4K29	PF3F3R9K25	PF3F3R21K4	PF3F3R47K5	PF3F3R106K6	PF3F3R214K4
200	150	126%	3.3	3.3	PF3F3R2K77	PF3F3R6K98	PF3F3R11K1				
250	185	100%	3.3	3.3	PF3F3R2K77	PF3F3R6K98	PF3F3R9K25	PF3F3R24K9	PF3F3R47K5	PF3F3R106K6	PF3F3R214K4

PowerFlex 700 600V

Case Resistor											
ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number						
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	50% OHL	100% OHL
1/2	0.37	100%	84	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W
1/2	0.37	174%	84	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W	
1/2	0.37	203%	84	150	PFCR150R100W	PFCR150R100W	PFCR150R100W				
1/2	0.37	271%	84	150	PFCR150R100W	PFCR150R100W					
1	0.75	100%	84	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W	
1	0.75	163%	84	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W		
1	0.75	186%	84	150	PFCR150R100W	PFCR150R100W	PFCR150R100W				
1	0.75	249%	84	150	PFCR150R100W	PFCR150R100W					
2	1.5	100%	84	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R200W	PFCR150R400W		
2	1.5	129%	84	150	PFCR150R100W	PFCR150R100W	PFCR150R100W	PFCR150R300W			
2	1.5	172%	84	150	PFCR150R100W	PFCR150R100W	PFCR150R150W				
2	1.5	229%	84	150	PFCR150R100W	PFCR150R100W					
3	2.2	100%	84	150	PFCR150R100W	PFCR150R100W	PFCR150R150W	PFCR150R300W			
3	2.2	127%	84	150	PFCR150R100W	PFCR150R100W	PFCR150R150W	PFCR150R400W			
3	2.2	140%	84	150	PFCR150R100W	PFCR150R100W	PFCR150R200W				
3	2.2	191%	84	150	PFCR150R100W	PFCR150R150W					
5	4	100%	84	150	PFCR150R100W	PFCR150R100W	PFCR150R200W				
5	4	122%	84	150	PFCR150R100W	PFCR150R150W	PFCR150R300W				
5	4	134%	84	150	PFCR150R100W	PFCR150R150W	PFCR150R300W				
5	4	182%	84	125	PFCR125R100W	PFCR125R200W					
7 1/2	5.5	100%	76	150	PFCR150R100W	PFCR150R150W	PFCR150R300W				
7 1/2	5.5	130%	76	125	PFCR125R100W	PFCR125R200W	PFCR125R400W				
7 1/2	5.5	143%	76	100	PFCR100R100W	PFCR100R200W	PFCR100R400W				
7 1/2	5.5	196%	76	85	PFCR85R150W	PFCR85R300W					
10	7.5	100%	76	125	PFCR125R100W	PFCR125R200W	PFCR125R400W				
10	7.5	121%	76	100	PFCR100R150W	PFCR100R300W					
10	7.5	149%	76	85	PFCR85R150W	PFCR85R300W					
10	7.5	171%	76	80	PFCR80R200W	PFCR80R400W					
15	11	100%	52	85	PFCR85R150W	PFCR85R300W					
15	11	129%	52	65	PFCR65R200W	PFCR65R400W					
15	11	142%	52	60	PFCR60R200W	PFCR60R400W					
15	11	170%	52	52	PFCR52R300W						
20	15	100%	42	65	PFCR65R200W	PFCR65R400W					
20	15	124%	42	52	PFCR52R300W						
20	15	144%	42	44	PFCR44R300W						
20	15	155%	42	44	PFCR44R300W						
25	18.5	100%	36	52	PFCR52R300W						
25	18.5	124%	36	40	PFCR40R300W						
30	22	100%	29	44	PFCR44R300W						

PowerFlex 700 600V

Standard Enclosed Resistor											
ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number						
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	50% OHL	100% OHL
1/2	0.37	100%	84	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W
1/2	0.37	174%	84	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W
1/2	0.37	203%	84	150	PF150R400W	PF150R400W	PF150R400W				
1/2	0.37	271%	84	150	PF150R400W	PF150R400W					
1	0.75	100%	84	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W
1	0.75	163%	84	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K60
1	0.75	186%	84	150	PF150R400W	PF150R400W	PF150R400W				
1	0.75	249%	84	150	PF150R400W	PF150R400W					
2	1.5	100%	84	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K60
2	1.5	129%	84	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20	PF150R2K00
2	1.5	172%	84	150	PF150R400W	PF150R400W	PF150R400W				
2	1.5	229%	84	150	PF150R400W	PF150R400W					
3	2.2	100%	84	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20	PF150R2K40
3	2.2	127%	84	150	PF150R400W	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K60	PF150R2K80
3	2.2	140%	84	150	PF150R400W	PF150R400W	PF150R400W				
3	2.2	191%	84	150	PF150R400W	PF150R400W					
5	4	100%	84	150	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K20	PF150R2K00	PF150R4K00
5	4	122%	84	150	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K60	PF150R2K80	PF150R5K20
5	4	134%	84	150	PF150R400W	PF150R400W	PF150R400W				
5	4	182%	84	125	PF125R400W	PF125R400W					
7 1/2	5.5	100%	76	150	PF150R400W	PF150R400W	PF150R400W	PF150R800W	PF150R1K60	PF150R2K80	PF150R5K60
7 1/2	5.5	130%	76	125	PF125R400W	PF125R400W	PF125R400W	PF125R1K20	PF125R2K00	PF125R3K60	PF125R7K20
7 1/2	5.5	143%	76	100	PF100R400W	PF100R400W	PF100R400W				
7 1/2	5.5	196%	76	85	PF85R400W	PF85R400W					
10	7.5	100%	76	125	PF125R400W	PF125R400W	PF125R400W	PF125R1K20	PF125R2K00	PF125R4K00	PF125R7K60
10	7.5	121%	76	100	PF100R400W	PF100R400W	PF100R800W	PF100R1K20	PF100R2K40	PF100R4K80	PF100R9K20
10	7.5	149%	76	85	PF85R400W	PF85R400W	PF85R800W				
10	7.5	171%	76	80	PF80R400W	PF80R400W					
15	11	100%	52	85	PF85R400W	PF85R400W	PF85R800W	PF85R1K60	PF85R2K80	PF85R5K60	PF85R11K2
15	11	129%	52	65	PF65R400W	PF65R400W	PF65R800W	PF65R2K00	PF65R3K60	PF65R7K20	PF65R16K6
15	11	142%	52	60	PF60R400W	PF60R400W	PF60R800W				
15	11	170%	52	52	PF52R400W	PF52R800W					
20	15	100%	42	65	PF65R400W	PF65R400W	PF65R800W	PF65R2K00	PF65R4K00	PF65R7K60	PF65R16K6
20	15	124%	42	52	PF52R400W	PF52R800W	PF52R1K20	PF52R2K40	PF52R4K80	PF52R9K60	PF52R18K6
20	15	144%	42	44	PF44R400W	PF44R800W	PF44R1K20				
20	15	155%	42	44	PF44R400W	PF44R800W					
25	18.5	100%	36	52	PF52R400W	PF52R800W	PF52R1K20	PF52R2K40	PF52R4K80	PF52R9K60	PF52R18K6
25	18.5	124%	36	40	PF40R400W	PF40R800W	PF40R1K20	PF40R3K20	PF40R6K00	PF40R11K4	PF40R22K8
25	18.5	146%	36	36	PF36R400W	PF36R800W	PF36R1K60				
30	22	100%	29	44	PF44R400W	PF44R800W	PF44R1K20	PF44R2K80	PF44R5K60	PF44R11K2	PF44R23K2
30	22	123%	29	32	PF32R400W	PF32R800W	PF32R1K60	PF32R3K60	PF32R9K14	PF32R13K5	PF32R27K0
30	22	153%	29	32	PF32R800W	PF32R1K20	PF32R2K00				
40	30	100%	24	28	PF28R400W	PF28R800W	PF28R1K60	PF28R4K00	PF28R7K50	PF28R15K0	PF28R30K0
40	30	116%	24	28	PF28R800W	PF28R1K20	PF28R2K00	PF28R4K40	PF28R9K07	PF28R18K9	PF28R36K2
40	30	135%	24	25	PF25R800W	PF25R1K20	PF25R2K40				
50	37	100%	24	25	PF25R800W	PF25R1K20	PF25R2K00	PF25R6K87	PF25R10K1	PF25R21K0	PF25R40K6
50	37	110%	24	25	PF25R800W	PF25R1K20	PF25R2K40	PF25R6K87	PF25R10K1	PF25R21K0	PF25R40K6

PowerFlex 700 600V

Standard Enclosed Resistor											
ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number						
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	50% OHL	100% OHL
60	45	100%	18	21	PF21R800W	PF21R1K20	PF21R2K40	PF21R5K62	PF21R11K2	PF21R22K5	PF21R45K0
60	45	119%	18	19	PF19R800W	PF19R1K60	PF19R2K80	PF19R6K71	PF19R13K6	PF19R30K4	PF19R63K9
60	45	120%	18	19	PF19R800W	PF19R1K60	PF19R2K80				
75	55	99%	18	19	PF19R800W	PF19R1K60	PF19R2K80	PF19R8K21	PF19R13K6	PF19R30K4	PF19R63K9
100	75	72%	18	19	PF19R800W	PF19R1K60	PF19R2K80	PF19R8K21	PF19R13K6	PF19R30K4	PF19R63K9
125	90	100%	6.3	9.2	PF9F2R1K20	PF9F2R2K35	PF9F2R4K86	PF9F2R11K9	PF9F2R24K8	PF9F2R47K6	PF9F2R90K0
125	90	120%	6.3	7.0	PF7R1K60	PF7R2K80	PF7R6K23	PF7R14K8	PF7R28K6	PF7R55K0	PF7R110K0
125	90	143%	6.3	7.0	PF7R1K79	PF7R3K70	PF7R7K38				
125	90	172%	6.3	6.5	PF6F5R2K10	PF6F5R4K39					
150	110	100%	6.3	7.0	PF7R1K60	PF7R2K80	PF7R6K23	PF7R14K8	PF7R28K6	PF7R55K0	PF7R110K0
150	110	113%	6.3	7.0	PF7R1K60	PF7R3K70	PF7R6K23	PF7R18K9	PF7R36K9	PF7R64K5	PF7R127K7
150	110	141%	6.3	6.5	PF6F5R2K10	PF6F5R4K39	PF6F5R8K42				

PowerFlex 700 690V

Standard Enclosed Resistor											
ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number						
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	50% OHL	100% OHL
75	55	100%	18	25	PF25R800W	PF25R1K60	PF25R2K80	PF25R6K87	PF25R13K7	PF25R32K4	PF25R55K0
75	55	114%	18	21	PF21R800W	PF21R1K60	PF21R3K20	PF21R8K40	PF21R17K6	PF21R33K6	PF21R70K6
75	55	125%	18	19	PF19R1K20	PF19R2K00	PF19R4K86				
75	55	130%	18	19	PF19R1K20	PF19R2K00					
100	75	96%	18	19	PF19R1K20	PF19R2K00	PF19R4K86	PF19R10K0	PF19R19K4	PF19R40K2	PF19R77K8
100	75	96%	18	19	PF19R1K20	PF19R2K00	PF19R4K86	PF19R10K0	PF19R19K4	PF19R40K2	PF19R77K8
100	75	96%	18	19	PF19R1K20	PF19R2K00	PF19R4K86				
100	75	96%	18	19	PF19R1K20	PF19R2K00					
125	90	80%	18	19	PF19R1K20	PF19R2K00	PF19R4K86	PF19R10K0	PF19R19K4	PF19R40K2	PF19R77K8
125	90	80%	18	19	PF19R1K20	PF19R2K00	PF19R4K86	PF19R10K0	PF19R19K4	PF19R40K2	PF19R77K8
125	90	80%	18	19	PF19R1K20	PF19R2K00	PF19R4K86				
125	90	80%	18	19	PF19R1K20	PF19R2K00					
150	110	100%	6.3	11.5	PF11F5R1K60	PF11F5R2K94	PF11F5R6K08	PF11F5R14K9	PF11F5R31K0	PF11F5R59K6	PF11F5R110K0
150	110	112%	6.3	9.2	PF9F2R1K60	PF9F2R3K75	PF9F2R6K60	PF9F2R19K4	PF9F2R30K9	PF9F2R69K6	PF9F2R132K2
150	110	139%	6.3	7.0	PF7R2K26	PF7R4K73	PF7R9K30				
150	110	185%	6.3	6.5	PF6F5R2K60	PF6F5R5K46					
175	132	100%	6.3	9.2	PF9F2R2K00	PF9F2R3K75	PF9F2R6K60	PF9F2R19K4	PF9F2R37K6	PF9F2R69K6	PF9F2R132K2
175	132	112%	6.3	7.0	PF7R2K26	PF7R3K70	PF7R7K38	PF7R18K9	PF7R36K9	PF7R81K6	PF7R157K7
175	132	141%	6.3	7.0	PF7R2K80	PF7R4K73	PF7R9K30				
175	132	155%	6.3	6.5	PF6F5R2K60	PF6F5R5K46					

PowerFlex 750 480V

Case Resistor										
ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number					
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	50% OHL
10	7.5	100%	31.6	60	PFCR60R100W	PFCR60R200W	PFCR60R400W			
10	7.5	123%	31.6	55	PFCR55R150W	PFCR55R300W				
10	7.5	145%	31.6	55	PFCR55R150W	PFCR55R300W				
10	7.5	185%	31.6	40	PFCR40R200W	PFCR40R400W				
15	11	100%	22.6	55	PFCR55R150W	PFCR55R300W				
15	11	134%	22.6	40	PFCR40R200W	PFCR40R400W				
15	11	147%	22.6	36	PFCR36R300W					
20	15	100%	31.6	40	PFCR40R200W	PFCR40R400W				
20	15	122%	31.6	36	PFCR36R300W					
20	15	132%	31.6	32	PFCR32R300W					
25	18.5	107%	31.6	32	PFCR32R300W					

PowerFlex 750 480V

Standard Enclosed Resistor											
ND HP	ND KW	Torque (% of motor)	Min Ohms	Rated Ohms	Part Number						
					2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 10% OHL	50% Decel 25% OHL	50% OHL	100% OHL
10	7.5	100%	31.6	80	PF80R400W	PF80R400W	PF80R400W	PF80R1K2	PF80R2K00	PF80R4K00	PF80R7K60
10	7.5	123%	31.6	52	PF52R400W	PF52R400W	PF52R800W	PF52R1K2	PF52R2K4	PF52R4K80	PF52R9K60
10	7.5	145%	31.6	52	PF52R400W	PF52R400W	PF52R800W				
10	7.5	185%	31.6	44	PF44R400W	PF44R400W					
15	11	100%	22.6	40	PF40R400W	PF40R400W	PF40R800W	PF40R1K60	PF40R2K80	PF40R6K00	PF40R11K4
15	11	134%	22.6	40	PF40R400W	PF40R400W	PF40R800W	PF40R2K00	PF40R4K00	PF40R10K2	PF40R16K0
15	11	147%	22.6	36	PF36R400W	PF36R800W	PF36R1K20				
15	11	201%	22.6	28	PF28R400W	PF28R800W					
20	15	100%	31.6	40	PF40R400W	PF40R400W	PF40R800W	PF40R2K00	PF40R4K00	PF40R10K2	PF40R16K0
20	15	122%	31.6	32	PF32R400W	PF32R800W	PF32R1K20	PF32R2K40	PF32R4K80	PF32R9K14	PF32R18K2
25	18.5	100%	31.6	32	PF32R400W	PF32R800W	PF32R1K20	PF32R2K40	PF32R4K80	PF32R9K14	PF32R18K2
25	18.5	107%	31.6	32	PF32R400W	PF32R800W	PF32R1K20	PF32R2K40	PF32R4K80	PF32R10K3	PF32R21K6
30	22	100%	16.6	28	PF28R400W	PF28R800W	PF28R1K20	PF28R2K80	PF28R5K60	PF28R11K2	PF28R23K5
30	22	123%	16.6	21	PF21R400W	PF21R800W	PF21R1K60	PF21R4K00	PF21R7K42	PF21R17K6	PF21R33K6
30	22	157%	16.6	19	PF19R800W	PF19R1K20	PF19R2K00				
30	22	171%	16.6	19	PF19R800W	PF19R1K20					
40	30	100%	15.8	19	PF19R400W	PF19R800W	PF19R1K60	PF19R4K86	PF19R8K21	PF19R16K4	PF19R30K4
40	30	117%	15.8	19	PF19R800W	PF19R1K20	PF19R2K00	PF19R4K86	PF19R10K0	PF19R19K4	PF19R40K2
40	30	132%	15.8	19	PF19R800W	PF19R1K20	PF19R2K00				
50	37	100%	15.8	19	PF19R800W	PF19R1K20	PF19R2K00	PF19R4K86	PF19R10K0	PF19R19K4	PF19R40K2
50	37	107%	15.8	19	PF19R800W	PF19R1K20	PF19R2K00	PF19R4K86	PF19R10K0	PF19R19K4	PF19R40K2
60	45	100%	7.9	13	PF13R800W	PF13R1K20	PF13R2K40	PF13R5K45	PF13R11K0	PF13R26K3	PF13R46K8
60	45	119%	7.9	12	PF11F5R800W	PF11F5R1K60	PF11F5R2K94	PF11F5R7K77	PF11F5R14K9	PF11F5R31K0	PF11F5R59K6
60	45	150%	7.9	9	PF9F2R1K20	PF9F2R1K60	PF9F2R3K75				
60	45	176%	7.9	9	PF9F2R1K20	PF9F2R2K00					
75	55	100%	7.9	12	PF11F5R800W	PF11F5R1K60	PF11F5R2K94	PF11F5R7K77	PF11F5R14K9	PF11F5R31K0	PF11F5R59K6
75	55	121%	7.9	9	PF9F2R1K20	PF9F2R1K60	PF9F2R3K75	PF9F2R9K42	PF9F2R19K4	PF9F2R37K6	PF9F2R69K6
75	55	144%	7.9	9	PF9F2R1K20	PF9F2R1K60	PF9F2R4K86				
100	75	100%	3.3	7	PF7R1K20	PF7R1K79	PF7R3K70	PF7R9K30	PF7R18K9	PF7R36K9	PF7R81K6
100	75	116%	3.3	7	PF7R1K20	PF7R2K26	PF7R4K73	PF7R11K2	PF7R23K5	PF7R45K0	PF7R81K6
100	75	133%	3.3	5	PF5F1R1K60	PF5F1R2K70	PF5F1R5K40				
100	75	173%	3.3	5	PF4F6R1K60	PF4F6R3K12					
125	90	100%	3.3	5	PF5F1R1K60	PF5F1R2K70	PF5F1R5K40	PF5F1R10K7	PF5F1R27K5	PF5F1R59K4	PF5F1R114K4
125	90	120%	3.3	5	PF5F1R1K60	PF5F1R2K70	PF5F1R5K40	PF5F1R13K7	PF5F1R27K5	PF5F1R59K4	PF5F1R114K4
125	90	144%	3.3	5	PF4F6R1K60	PF4F6R3K12	PF4F6R7K36				
125	90	180%	3.3	3	PF3F3R2K23	PF3F3R4K29					
150	110	100%	3.3	5	PF5F1R1K60	PF5F1R2K70	PF5F1R5K40	PF5F1R13K7	PF5F1R27K5	PF5F1R59K4	PF5F1R114K4
150	110	113%	3.3	5	PF4F6R1K60	PF4F6R3K12	PF4F6R7K36	PF4F6R15K6	PF4F6R34K8	PF4F6R66K2	PF4F6R149K0
150	110	147%	3.3	3	PF3F3R2K23	PF3F3R4K29	PF3F3R9K25				
150	110	172%	3.3	3	PF3F3R2K77	PF3F3R6K98					
200	150	100%	3.3	3	PF3F3R1K87	PF3F3R4K29	PF3F3R9K25	PF3F3R21K4	PF3F3R38K4	PF3F3R75K0	PF3F3R150K0
200	150	115%	3.3	3	PF3F3R2K23	PF3F3R4K29	PF3F3R9K25	PF3F3R21K4	PF3F3R47K5	PF3F3R106K6	PF3F3R214K4
200	150	126%	3.3	3	PF3F3R2K77	PF3F3R4K29	PF3F3R9K25				
250	185	100%	2.4	3	PF3F3R2K23	PF3F3R4K29	PF3F3R9K25	PF3F3R24K9	PF3F3R47K5	PF3F3R106K6	PF3F3R214K4
250	185	113%	2.4	3	PF2F5R2K56	PF2F5R6K25	PF2F5R12K2	PF2F5R29K1	PF2F5R56K2	PF2F5R110K2	PF2F5R225K0
250	185	139%	2.4	3	PF2F5R3K24	PF2F5R6K25	PF2F5R12K2				
300	225	100%	2.4	3	PF2F5R3K24	PF2F5R6K25	PF2F5R12K2	PF2F5R29K1	PF2F5R56K2	PF2F5R110K2	PF2F5R225K0
300	225	111%	2.4	3	PF2F5R3K24	PF2F5R6K25	PF2F5R12K2	PF2F5R29K1	PF2F5R56K2	PF2F5R110K2	PF2F5R225K0
300	225	116%	2.4	3	PF2F5R3K24	PF2F5R6K25	PF2F5R12K2				
350	260	100%	1.65	2	PF1F7R3K44	PF1F7R8K33	PF1F7R13K7	PF1F7R33K3	PF1F7R68K0	PF1F7R153K0	PF1F7R272K0
350	260	111%	1.65	2	PF1F7R3K44	PF1F7R8K33	PF1F7R13K7	PF1F7R38K2	PF1F7R74K9	PF1F7R153K0	PF1F7R272K0
350	260	144%	1.65	2	PF1F7R4K59	PF1F7R10K3	PF1F7R19K8				

Powerohm Type BM Braking Modules

PRODUCT OVERVIEW

Powerohm Type BM Braking Modules can be used in conjunction with any AC drive to monitor the DC bus of the drive and activate external braking resistor as needed not only to avoid over-voltage trips, but to greatly improve the performance of the drive system. The use of Braking Modules and resistors increase the braking torque capability of a variable frequency drive, allowing faster and more controlled deceleration times.

To accommodate system horsepower requirements beyond the capability of a single Module, the Modules are all Master/Slave programmable. This allows an arrangement of multiple Modules to effectively function as a single higher rated module.

Listed on pages 29 and 30 are part numbers for both the Brake Module and corresponding Brake Resistor by voltage, HP and duty cycle that may be paired together to form a solution for PowerFlex and Legacy Series Drives (1336 and 1305). Pricing for the Brake Modules appears on page 61, while the pricing for the resistors may be found in the resistor index pages 40 – 49.

GENERAL SPECIFICATIONS

The Powerohm Type BM Braking Module is available in three different voltage classes including 240, 480 and 600 volts.

Powerohm Part No.	Nominal AC Line Voltage	RMS Continuous Load Current	Turn ON Voltage	Max Peak Current
PWA050NC	240	50	375	200
PWA115NC	240	115	375	200
PWA450NC	240	450	375	600
PWA600NC	240	600	375	900
PWB050NC	480	50	750	200
PWB115NC	480	115	750	200
PWB450NC	480	450	750	600
PWB600NC	480	600	750	900
PWC050NC	600	50	940	200
PWC115NC	600	115	940	200
PWC450NC	600	450	940	600
PWC600NC	600	600	940	900



230V 1336 Drives

Brake Module and Resistor Selection Guide

HP	Ohms	5% Duty Cycle 150% Brake Torque		10% Duty Cycle 150% Brake Torque		20% Duty Cycle 150% Brake Torque		50% Duty Cycle 150% Brake Torque		100% Duty Cycle 150% Brake Torque	
		Brake Module Part Number	Resistor Part Number	Brake Module Part Number	Resistor Part Number	Brake Module Part Number	Resistor Part Number	Brake Module Part Number	Resistor Part Number	Brake Module Part Number	Resistor Part Number
1/2	154	PWA050NC	PR2205-1	PWA050NC	PR2210-1	PWA050NC	PR222-1	PWA050NC	PR225-1	PWA050NC	PR220-1
3/4	110	PWA050NC	PR2205-2	PWA050NC	PR2210-2	PWA050NC	PR222-2	PWA050NC	PR225-2	PWA050NC	PR220-2
1	85	PWA050NC	PR2205-3	PWA050NC	PR2210-3	PWA050NC	PR222-3	PWA050NC	PR225-3	PWA050NC	PR220-3
1 1/2	59	PWA050NC	PR2205-4	PWA050NC	PR2210-4	PWA050NC	PR222-4	PWA050NC	PR225-4	PWA050NC	PR220-4
2	45	PWA050NC	PR2205-5	PWA050NC	PR2210-5	PWA050NC	PR222-5	PWA050NC	PR225-5	PWA050NC	PR220-5
3	32	PWA050NC	PR2205-6	PWA050NC	PR2210-6	PWA050NC	PR222-6	PWA050NC	PR225-6	PWA050NC	PR220-6
5	20	PWA050NC	PR2205-7	PWA050NC	PR2210-7	PWA050NC	PR222-7	PWA050NC	PR225-7	PWA050NC	PR220-7
7 1/2	14	PWA050NC	PR2205-8	PWA050NC	PR2210-8	PWA050NC	PR222-8	PWA050NC	PR225-8	PWA050NC	PR220-8
10	11	PWA050NC	PR2205-9	PWA050NC	PR2210-9	PWA050NC	PR222-9	PWA050NC	PR225-9	PWA050NC	PR220-9
15	7.3	PWA050NC	PR2205-10	PWA050NC	PR2210-10	PWA050NC	PR222-10	PWA050NC	PR225-10	PWA115NC	PR220-10
20	5.7	PWA050NC	PR2205-11	PWA050NC	PR2210-11	PWA050NC	PR222-11	PWA050NC	PR225-11	PWA115NC	PR220-11
25	4.5	PWA050NC	PR2205-12	PWA050NC	PR2210-12	PWA050NC	PR222-12	PWA115NC	PR225-12	PWA115NC	PR220-12
30	3.8	PWA050NC	PR2205-13	PWA050NC	PR2210-13	PWA050NC	PR222-13	PWA115NC	PR225-13	PWA115NC	PR220-13
40	2.7	PWA050NC	PR2205-14	PWA050NC	PR2210-14	PWA115NC	PR222-14	PWA115NC	PR225-14	PWA450NC	PR220-14
50	2.2	PWA050NC	PR2205-15	PWA115NC	PR2210-15	PWA115NC	PR222-15	PWA450NC	PR225-15	PWA450NC	PR220-15
60	1.8	PWA050NC	PR2205-16	PWA115NC	PR2210-16	PWA115NC	PR222-16	PWA450NC	PR225-16	PWA450NC	PR220-16
75	1.5	PWA450NC	PR2205-17	PWA450NC	PR2210-17	PWA450NC	PR222-17	PWA450NC	PR225-17	PWA450NC	PR220-17

460V 1336 Drives

Brake Module and Resistor Selection Guide

HP	Ohms	5% Duty Cycle 150% Brake Torque		10% Duty Cycle 150% Brake Torque		20% Duty Cycle 150% Brake Torque		50% Duty Cycle 150% Brake Torque		100% Duty Cycle 150% Brake Torque	
		Brake Module Part Number	Resistor Part Number	Brake Module Part Number	Resistor Part Number	Brake Module Part Number	Resistor Part Number	Brake Module Part Number	Resistor Part Number	Brake Module Part Number	Resistor Part Number
1/2	615	PWB050NC	PR4405-1	PWB050NC	PR4410-1	PWB050NC	PR442-1	PWB050NC	PR445-1	PWB050NC	PR440-1
3/4	439	PWB050NC	PR4405-2	PWB050NC	PR4410-2	PWB050NC	PR442-2	PWB050NC	PR445-2	PWB050NC	PR440-2
1	342	PWB050NC	PR4405-3	PWB050NC	PR4410-3	PWB050NC	PR442-3	PWB050NC	PR445-3	PWB050NC	PR440-3
1 1/2	237	PWB050NC	PR4405-4	PWB050NC	PR4410-4	PWB050NC	PR442-4	PWB050NC	PR445-4	PWB050NC	PR440-4
2	181	PWB050NC	PR4405-5	PWB050NC	PR4410-5	PWB050NC	PR442-5	PWB050NC	PR445-5	PWB050NC	PR440-5
3	128	PWB050NC	PR4405-6	PWB050NC	PR4410-6	PWB050NC	PR442-6	PWB050NC	PR445-6	PWB050NC	PR440-6
5	81	PWB050NC	PR4405-7	PWB050NC	PR4410-7	PWB050NC	PR442-7	PWB050NC	PR445-7	PWB050NC	PR440-7
7 1/2	56	PWB050NC	PR4405-8	PWB050NC	PR4410-8	PWB050NC	PR442-8	PWB050NC	PR445-8	PWB050NC	PR440-8
10	44	PWB050NC	PR4405-9	PWB050NC	PR4410-9	PWB050NC	PR442-9	PWB050NC	PR445-9	PWB050NC	PR440-9
15	29	PWB050NC	PR4405-10	PWB050NC	PR4410-10	PWB050NC	PR442-10	PWB050NC	PR445-10	PWB050NC	PR440-10
20	23	PWB050NC	PR4405-11	PWB050NC	PR4410-11	PWB050NC	PR442-11	PWB050NC	PR445-11	PWB050NC	PR440-11
25	18	PWB050NC	PR4405-12	PWB050NC	PR4410-12	PWB050NC	PR442-12	PWB050NC	PR445-12	PWB050NC	PR440-12
30	15	PWB050NC	PR4405-13	PWB050NC	PR4410-13	PWB050NC	PR442-13	PWB050NC	PR445-13	PWB050NC	PR440-13
40	12	PWB050NC	PR4405-14	PWB050NC	PR4410-14	PWB050NC	PR442-14	PWB050NC	PR445-14	PWB115NC	PR440-14
50	9.5	PWB050NC	PR4405-15	PWB050NC	PR4410-15	PWB050NC	PR442-15	PWB115NC	PR445-15	PWB115NC	PR440-15
60	8	PWB050NC	PR4405-16	PWB050NC	PR4410-16	PWB050NC	PR442-16	PWB115NC	PR445-16	PWB115NC	PR440-16
75	6.4	PWB050NC	PR4405-17	PWB050NC	PR4410-17	PWB115NC	PR442-17	PWB115NC	PR445-17	PWB115NC	PR440-17
100	5	PWB050NC	PR4405-18	PWB050NC	PR4410-18	PWB115NC	PR442-18	PWB115NC	PR445-18	PWB450NC	PR440-18
125	3.9	PWB050NC	PR4405-19	PWB115NC	PR4410-19	PWB115NC	PR442-19	PWB450NC	PR445-19	PWB450NC	PR440-19
150	3.4	PWB450NC	PR4405-20	PWB450NC	PR4410-20	PWB450NC	PR442-20	PWB450NC	PR445-20	PWB450NC	PR440-20
200	2.6	PWB450NC	PR4405-21	PWB450NC	PR4410-21	PWB450NC	PR442-21	PWB450NC	PR445-21	PWB450NC	PR440-21
250	1.9	PWB600NC	PR4405-22	PWB600NC	PR4410-22	PWB600NC	PR442-22	PWB600NC	PR445-22	PWB600NC	PR440-22

575V 1336 Drives

Brake Module and Resistor Selection Guide

	HP	Ohms	5% Duty Cycle 150% Brake Torque		10% Duty Cycle 150% Brake Torque		20% Duty Cycle 150% Brake Torque		50% Duty Cycle 150% Brake Torque		100% Duty Cycle 150% Brake Torque	
			Brake Module Part Number	Resistor Part Number	Brake Module Part Number	Resistor Part Number	Brake Module Part Number	Resistor Part Number	Brake Module Part Number	Resistor Part Number	Brake Module Part Number	Resistor Part Number
	1/2	956	PWC050NC	PR5505-1	PWC050NC	PR5510-1	PWC050NC	PR552-1	PWC050NC	PR555-1	PWC050NC	PR550-1
	3/4	695	PWC050NC	PR5505-2	PWC050NC	PR5510-2	PWC050NC	PR552-2	PWC050NC	PR555-2	PWC050NC	PR550-2
	1	546	PWC050NC	PR5505-3	PWC050NC	PR5510-3	PWC050NC	PR552-3	PWC050NC	PR555-3	PWC050NC	PR550-3
	1 1/2	364	PWC050NC	PR5505-4	PWC050NC	PR5510-4	PWC050NC	PR552-4	PWC050NC	PR555-4	PWC050NC	PR550-4
	2	283	PWC050NC	PR5505-5	PWC050NC	PR5510-5	PWC050NC	PR552-5	PWC050NC	PR555-5	PWC050NC	PR550-5
	3	196	PWC050NC	PR5505-6	PWC050NC	PR5510-6	PWC050NC	PR552-6	PWC050NC	PR555-6	PWC050NC	PR550-6
	5	125	PWC050NC	PR5505-7	PWC050NC	PR5510-7	PWC050NC	PR552-7	PWC050NC	PR555-7	PWC050NC	PR550-7
	7 1/2	85	PWC050NC	PR5505-8	PWC050NC	PR5510-8	PWC050NC	PR552-8	PWC050NC	PR555-8	PWC050NC	PR550-8
	10	70	PWC050NC	PR5505-9	PWC050NC	PR5510-9	PWC050NC	PR552-9	PWC050NC	PR555-9	PWC050NC	PR550-9
	15	45	PWC050NC	PR5505-10	PWC050NC	PR5510-10	PWC050NC	PR552-10	PWC050NC	PR555-10	PWC050NC	PR550-10
	20	35	PWC050NC	PR5505-11	PWC050NC	PR5510-11	PWC050NC	PR552-11	PWC050NC	PR555-11	PWC050NC	PR550-11
	25	28	PWC050NC	PR5505-12	PWC050NC	PR5510-12	PWC050NC	PR552-12	PWC050NC	PR555-12	PWC050NC	PR550-12
	30	24	PWC050NC	PR5505-13	PWC050NC	PR5510-13	PWC050NC	PR552-13	PWC050NC	PR555-13	PWC050NC	PR550-13
	40	19	PWC050NC	PR5505-14	PWC050NC	PR5510-14	PWC050NC	PR552-14	PWC050NC	PR555-14	PWC050NC	PR550-14
	50	15	PWC050NC	PR5505-15	PWC050NC	PR5510-15	PWC050NC	PR552-15	PWC050NC	PR555-15	PWC115NC	PR550-15
	60	12	PWC050NC	PR5505-16	PWC050NC	PR5510-16	PWC050NC	PR552-16	PWC115NC	PR555-16	PWC115NC	PR550-16
	75	10	PWC050NC	PR5505-17	PWC050NC	PR5510-17	PWC050NC	PR552-17	PWC115NC	PR555-17	PWC115NC	PR550-17
	100	8	PWC050NC	PR5505-18	PWC050NC	PR5510-18	PWC115NC	PR552-18	PWC115NC	PR555-18	PWC115NC	PR550-18
	125	6	PWC050NC	PR5505-19	PWC050NC	PR5510-19	PWC115NC	PR552-19	PWC115NC	PR555-19	PWC450NC	PR550-19
	150	5	PWC050NC	PR5505-20	PWC115NC	PR5510-20	PWC115NC	PR552-20	PWC450NC	PR555-20	PWC450NC	PR550-20
	200	4	PWC450NC	PR5505-21	PWC450NC	PR5510-21	PWC450NC	PR552-21	PWC450NC	PR555-21	PWC450NC	PR550-21

Brake Module Cross Over Chart

Rockwell P/N	Powerohm Replacement P/N
WA018	PWA018
WA070	PWA070
WA115	PWA115
WB009	PWB009
WB035	PWB035
WB110	PWB110
WC009	PWC009
WC035	PWC035
WC085	PWC085
1336-MOD-KA005	PKA005
1336-MOD-KA010	PKA010
1336-MOD-KB005	PKB005
1336-MOD-KB010	PKB010
1336-MOD-KB050	PKB050
1336-MOD-KC005	PKC005
1336-MOD-KC010	PKC010
1336-MOD-KC050	PKC050

For Additional details of the Brake Module refer to page 61.

VBR

Variable Braking Resistor Analyzer Available for Rent or Purchase



With the VBR you can:

- Correctly size the OHMS and WATTS for any application
- Quickly provide a DB Resistor Sizing Service for your customers
- Provide a temporary DB solution while the permanent is on its way
- Validate the existing resistor size being employed as the optimum choice
- Provide OEM's and Integrator's with a portable / adjustable diagnostic tool for sizing braking resistors.

VBR Operation



Figure 1.



Figure 2.



Figure 3.

CAUTION: Reference the PowerFlex Drive Manual and the Powerohm PowerFlex Braking Resistor Manual when selecting the proper resistance value. Do not select resistance values below the minimum values listed for the drive. Selecting a resistance value below the minimum will result in failure of the brake IGBT and/or drive.

Step 1. Secure the VBR unit in place and plug in supplied power cord to a 120VAC source before connecting load leads to drive or braking module. Attach the supplied load lead cables to the drive by connecting the red lead to DC+ and the black lead to DC-. **Warning:** Drive power and DC bus must be OFF before connecting the loads leads.

Step 2. Turn power selector switch to the ON position to activate the VBR unit. (Fig 1.) The selector switch should illuminate green and blowers should function when ON. Insure that there is a minimum clearance of 24 inches beyond the exhaust to any non-flammable surfaces.

Step 3. If the drive has an existing braking resistor installed, it is important to not press the "Braking Enable" pushbutton. Enabling a selected resistor value may push the equivalent resistance below the minimum allowed. Note that the VBR can be used to analyze an existing braking resistor to determine if a more effective resistor could be used for the installation (skip to Step 5 if this is the case).

Step 4. Select a desired resistance value and press "Braking Enable" to activate the resistive load. (Fig 2.) It is critical that the resistance value selected is greater than the minimum resistance value specified by the drive or braking module manufacturer. Selecting a resistance value lower than the minimum may cause permanent damage to the drive or braking module. The VBR is now ready to monitor your braking cycle.

Step 5. Start and run the Drive at full load, through its entire motoring and braking cycles for a minimum of 30 minutes. To prevent under sizing the resistor, be sure to operate at maximum load in combination with the most sever duty cycle. During the cycling of the Drive you will notice that "VBR Reading" will begin to register a readout from 1 to 135. (Fig 3.)

Step 6. It is important to run the Drive a minimum of 30 minutes so that the proper watt selection of the resistor is realized. At this time the "VBR Reading" should have reached its maximum value and you are you are ready to record the peak "VBR Reading." Lift off the small cover below the digital readout to access the programming keys. Press the up arrow key, which is the second key from the left. This blinking number displayed is the peak readout that will be used in sizing your braking resistor.

Step 7. With the resistance value you selected in Step 4 (or the value of an existing braking resistor) and the peak "VBR Reading" you recorded from Step 6, you can now properly select a fixed resistor for your application. Go to the VBR resistor selection chart to obtain the correct braking resistor part number.

Step 8. The VBR unit must remain ON a minimum of 5 minutes after the drive is powered down to allow the unit to cool. Do not remove load leads until the Drive and DC bus have been powered down. Use caution when handling the VBR unit as the exhaust area surface may be HOT!

VBR Resistor Selection Chart

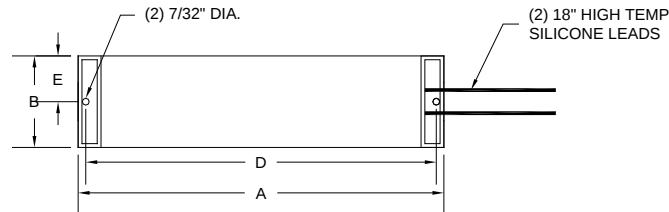
VBR Peak Reading	150 Ohms PF Resistor	125 Ohms PF Resistor	100 Ohms PF Resistor	85 Ohms PF Resistor
1-2	PF150R400W	PF125R400W	PF100R400W	PF85R400W
3-4	PF150R400W	PF125R400W	PF100R400W	PF85R400W
5-6	PF150R400W	PF125R800W	PF100R800W	PF85R800W
7-8	PF150R800W	PF125R800W	PF100R1K20	PF85R1K20
9-10	PF150R800W	PF125R800W	PF100R1K20	PF85R1K60
11-15	PF150R1K20	PF125R1K20	PF100R1K60	PF85R2K00
16-20	PF150R1K60	PF125R1K60	PF100R2K40	PF85R2K80
21-25	PF150R2K00	PF125R2K00	PF100R2K80	PF85R3K60
26-30	PF150R2K40	PF125R3K60	PF100R3K60	PF85R5K20
31-40	PF150R3K20	PF125R3K60	PF100R4K80	PF85R6K60
41-50	PF150R4K00	PF125R7K20	PF100R6K80	PF85R10K0
51-60	PF150R5K20	PF125R7K20	PF100R8K00	PF85R10K0
61-75	CALL	PF125R7K60	PF100R9K20	PF85R11K2
76-135	CALL	CALL	CALL	CALL
VBR Peak Reading	70 Ohms PF Resistor	60 Ohms PF Resistor	52 Ohms PF Resistor	44 Ohms PF Resistor
1-2	PF70R400W	PF60R400W	PF52R400W	PF44R800W
3-4	PF70R800W	PF60R800W	PF52R800W	PF44R1K20
5-6	PF70R1K20	PF60R2K00	PF52R1K60	PF44R2K00
7-8	PF70R1K20	PF60R2K00	PF52R2K40	PF44R2K00
9-10	PF70R2K40	PF60R2K00	PF52R2K40	PF44R2K80
11-15	PF70R4K80	PF60R4K00	PF52R3K20	PF44R4K00
16-20	PF70R4K80	PF60R4K00	PF52R4K80	PF44R5K60
21-25	PF70R4K80	PF60R8K00	PF52R6K00	PF44R7K60
26-30	PF70R9K60	PF60R8K00	PF52R9K60	PF44R11K2
31-40	PF70R9K60	PF60R15K8	PF52R13K3	PF44R11K2
41-50	PF70R9K60	PF60R15K8	PF52R13K3	PF44R11K2
51-60	CALL	PF60R15K8	PF52R13K3	PF44R11K2
61-75	CALL	PF60R15K8	PF52R13K3	PF44R15K0
76-90	CALL	PF60R15K8	PF52R18K6	PF44R23K2
91-105	CALL	PF60R15K8	PF52R18K6	PF44R23K2
106-120	CALL	PF60R15K8	CALL	CALL
121-135	CALL	CALL	CALL	CALL
VBR Peak Reading	36 Ohms PF Resistor	32 Ohms PF Resistor	28 Ohms PF Resistor	25 Ohms PF Resistor
1-2	PF36R800W	PF32R800W	PF28R800W	PF25R1K20
3-4	PF36R1K20	PF32R1K60	PF28R1K60	PF25R2K00
5-6	PF36R2K00	PF32R2K00	PF28R2K80	PF25R2K80
7-8	PF36R2K40	PF32R2K80	PF28R4K00	PF25R6K87
9-10	PF36R4K00	PF32R3K60	PF28R4K40	PF25R6K87
11-15	PF36R9K21	PF32R9K14	PF28R7K50	PF25R6K87
16-20	PF36R9K21	PF32R9K14	PF28R7K50	PF25R6K87
21-25	PF36R9K21	PF32R9K14	PF28R7K50	PF25R10K1
26-30	PF36R9K21	PF32R9K14	PF28R7K50	PF25R10K1
31-40	PF36R9K21	PF32R10K3	PF28R11K2	PF25R14K7
41-50	PF36R19K0	PF32R13K5	PF28R15K0	PF25R21K0
51-60	PF36R19K0	PF32R21K6	PF28R23K5	PF25R25K6
61-75	PF36R19K0	PF32R27K0	PF28R30K0	PF25R32K4
76-90	CALL	PF32R27K0	PF28R36K2	PF25R55K0
91-105	CALL	CALL	CALL	PF25R55K0

Type CR Case Resistors

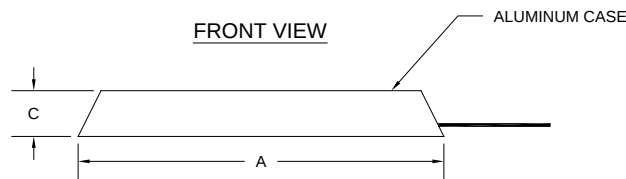
Powerohm's Type CR resistors are manufactured with quality components for superior performance and increased life expectancy. Our case resistors feature a nickel-chromium wire helically wound, then placed inside a ceramic fixture and inserted into a corrosion resistant aluminum case. Each coil end is terminated to high temperature wire leads and encapsulated with a ceramic potting material. The result is a resistor element electrically isolated, but thermally bound to the outer case to allow the element heat to transfer to the metallic case and efficiently cool. The units are supplied with 18" wire leads, and the case is machined to include two mounting holes for easy installation.

ELECTRICAL RATINGS & DIMENSIONS OF STANDARD SIZE CASE RESISTORS					
WATTAGE	DIMENSIONS IN INCHES				
	A	B	C	D	E
100	6	1-1/2	3/4	5-1/2	3/4
150	9	1-1/2	3/4	8-1/2	3/4
200	6	3	1-1/2	5-1/2	1/1/2
300	9	3	1-1-2	8-1/2	1/1/2
400	12	33	1-1/2	11-1/2	1/1/2

TOP VIEW



FRONT VIEW



Type GCE Enclosures

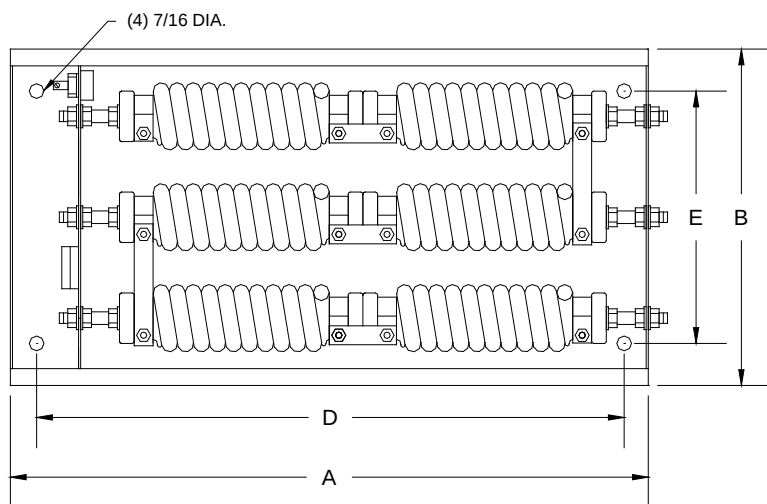
These heavy gage screened enclosures feature a solid bottom and a built-in compartment separated from the resistor assembly. The resistors are factory wired to a terminal block mounted in this compartment using high temperature Teflon or silicone wire. The terminal compartment also houses a normally closed thermal switch used for detecting resistor temperature overloads. During installation, standard 90°C rated wire is routed into the compartment through the removable 1/2 inch conduit knockouts and connected to the factory wired terminal block.

Our standard unit includes a screened cover which is CNC punched to obtain maximum cooling and professional aesthetics. Mounting holes are located inside the enclosure and can be easily accessed by removing the cover. Resistor coils are interconnected using stainless steel bus bars, producing a corrosion resistant current path to withstand nearly any harsh industrial environment. The standard finish is galvanized, but an optional ANSI 61 powder coated finish is available upon request. As shown in the table below, the size of the enclosure will vary depending on the number of resistor coils required for your application. Please do not hesitate to call the factory if you need assistance. Units are available with louvered covers; add "-W" to the part number and note that the 'A' and 'B' dimensions will increase by 2 inches and the 'C' dimension will increase by 1 inch.

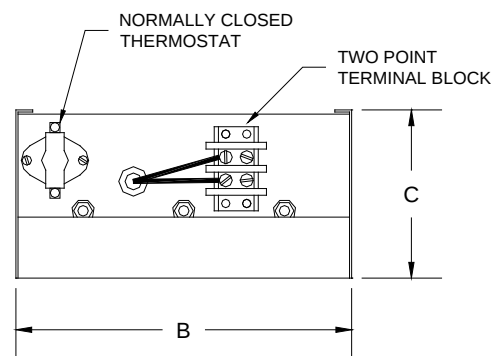
GCE ENCLOSURE DIMENSIONS AND COIL OPTIONS

PART	MAX. NO.	MAX NO.	DIMENSIONS IN INCHES				
NUMBER	WR COLS	SXR,VR or ER	A	B	C	D	E
GCE1	1	(1) Size 2	12	5	5	10-1/2	---
GCE2	2	(2) Size 2	12	7	5	10-1/2	4-1/2
GCE3	3	(3) Size 2	12	10	5	10-1/2	7-1/2
GCE4	4	(4) Size 2	12	13	5	10-1/2	10-1/2
GCE5	5	(5) Size 2	12	16	5	10-1/2	13-1/2
GCE6	6	(3) Size 5	19	10	5	17-1/2	7-1/2
GCE8	8	(4) Size 5	19	13	5	17-1/2	10-1/2
GCE9	9	(3) Size 7	26-1/2	10	5	25	7-1/2
GCE10	10	(5) Size 5	19	16	5	17-1/2	13-1/2
GCE12	12	(4) Size 7	26-1/2	13	5	25	10-1/2
GCE15	15	(5) Size 7	26-1/2	16	5	25	13-1/2
GCE18	18	(6) Size 7	28	10	10	26-1/2	7-1/2
GCE24	24	(8) Size 7	28	13	10	26-1/2	10-1/2
GCE30	30	(10) Size 7	28	16	10	26-1/2	13-1/2

TOP VIEW



LEFT SIDE VIEW



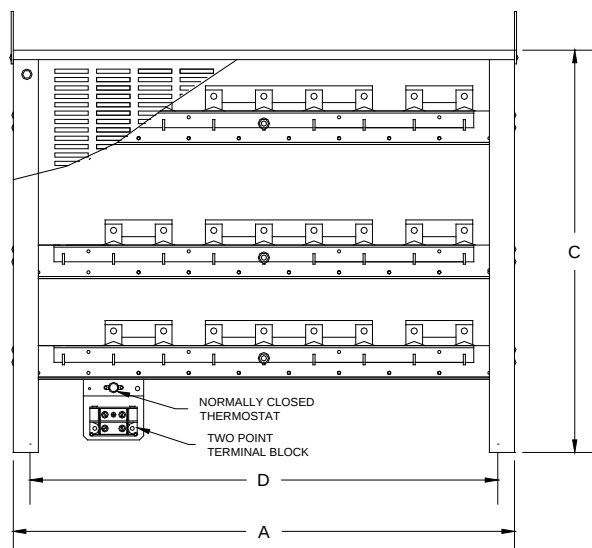
Type ED Enclosures

The Type ED enclosure is designed for applications requiring a large number of Type SXR, WR, VR and/or ER resistor coils. In addition to the large capacity, these units are supplied with terminal connections up to 400 amps continuous located on a terminal plate in the bottom of the enclosure. These factory wired connections allow standard 90°C rated wire to be used if routed along the enclosure bottom. If installing without the optional terminal connections, always use 200°C rated silicone or Teflon wire when attaching directly to resistors. A normally closed thermal switch is also provided, which is used to detect resistor temperature overloads.

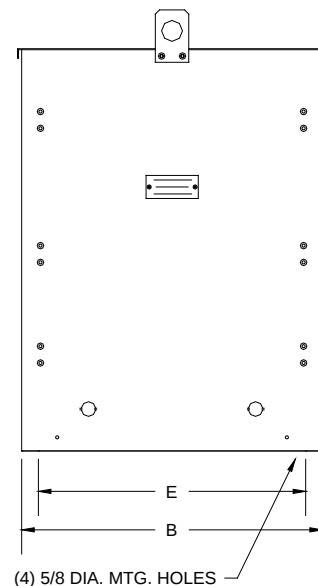
These rigid enclosures include a screened top and removable front and back screened covers. The enclosure sides are solid and the bottom is open and furnished with two lifting eyes. Mounting holes are located inside the enclosure and can be easily accessed by removing the front or rear cover. Resistor coils are interconnected using all stainless steel bus bars, producing a corrosion resistant current path to withstand nearly any harsh industrial environment. The standard finish is galvanized, but an optional ANSI 61 powder coated finish is available upon request. As shown in the table below, the size of the enclosure will vary depending on the number of resistor coils required for your application. Units are available with louvered covers; add "-W" to the part number and note that the 'A' and 'B' dimensions will increase by 4 inches and the 'C' dimensions will increase by 1-1/2 inches.

ED ENCLOSURE DIMENSIONS AND COIL OPTIONS							
PART	MAX. NO.	MAX NO.	DIMENSIONS IN INCHES				
NUMBER	WR COLS	SXR,VR or ER	A	B	C	D	E
ED1	18	(9) Size 5	30	18	10	26	16
ED2	36	(18) Size 5	30	18	16	26	16
ED3	54	(27) Size 5	30	18	24	26	16
ED4	72	(36) Size 5	30	18	32	26	16
ED5	90	(45) Size 5	30	18	40	26	16
ED6	108	(54) Size 5	30	18	48	26	16
ED7	126	(63) Size 5	30	18	56	26	16
ED8	144	(72) Size 5	30	18	64	26	16
ED9	162	(81) Size 5	30	18	72	26	16
ED10	180	(90) Size 5	30	18	80	26	16

FRONT VIEW



SIDE VIEW



Installation Instructions

Construction: Powerohm braking resistors consists of smoothwound, wirewound or edgewound type resistor coils mounted in ventilated enclosures. All current carrying components used to manufacture our resistor coils including the elements and terminals are stainless steel for maximum corrosion resistance. Standard enclosures will be mill galvanized with terminals factory wired to a terminal block and normally closed thermal switch. Braking resistors are available with a variety of options such as special enclosure finishes and outdoor ratings.

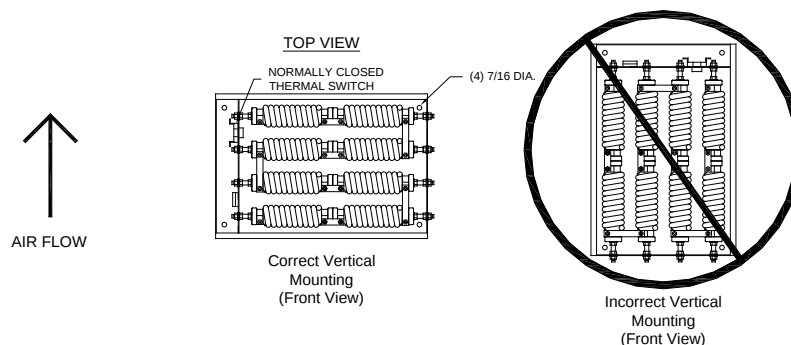
INSPECTION: Upon receipt of your Powerohm Braking Resistor, be sure to inspect the unit carefully for any shipping damage. After unpacking, check the unit for loose, broken, bent or otherwise damaged parts due to shipping. Report any shipping damage immediately to the freight carrier. Be sure to verify that the part number and ratings listed on the nameplate conform to the order specification. The ohm rating listed on the nameplate is critical (too low of an ohm value may cause damage to the drive).

INSTALLATION:

IMPORTANT: The National Electric Code (NEC) and local regulations govern the installation and wiring of electrical equipment such as braking resistors. DC power wiring, AC power wiring, control wiring and conduit must be installed in accordance with these codes.

Powerohm braking assemblies cool by natural convection causing hot air to rise vertically from the enclosure. Braking resistors should be mounted in a well ventilated location free of any combustible materials or equipment affected by heat. Units should be installed with at least 24 inches of free space above the enclosure top and 6 inches of free space surrounding the enclosure sides. If necessary, units can be mounted on spacers or channels to limit heat from conducting from the resistor enclosure to its mounting surface.

Braking resistor enclosures 28 inches or less in width, can be mounted vertically or horizontally. If the unit is mounted vertically, it is important that the resistor coils remain in a horizontal position. Also, if a thermal switch is included with the unit, position the equipment so the switch remains near the top of the enclosure. See below for vertical mounting details.



To install the unit, first remove the ventilated cover. Units 28 inches or less in width require a 5/16 inch wrench, while larger units require a 7/16 inch wrench to remove the cover hardware. Mounting holes can be found on the inside of the braking resistor enclosure. Mounting dimensions are listed on pages 25-36. Units that are 28 inches or smaller have 7/16 inch diameter mounting holes designed for 3/8 inch hardware. 30 inch wide units have 5/8 inch diameter mounting holes designed for 1/2 inch hardware. Be sure to fasten the unit securely in place.

Smaller 28 inch wide enclosures have convenient conduit knockouts for easy connection. Remove the proper knockout after determining a suitable entry point. Larger units may require field punching for conduit entry. It is preferable to route conduit near the bottom of the resistor enclosure. After attaching conduit, pull wiring into the enclosure for connection to resistor. If connecting directly to the terminals on the resistor elements, it is necessary to use high temperature silicon or Teflon wire rated 200°C. Try to route wiring along the bottom of the enclosure and avoid running the wiring across the top or near the resistor elements. Units are supplied with either #10, 3/8 or 1/2 inch terminal hardware. If you choose to use the factory installed terminal block, then you may connect to it using standard 90°C rated wire. Be sure to properly ground the resistor enclosure to prevent electrical shock.

A normally closed thermal switch is included with the unit, featuring ¼ inch quick connect terminals.

After installing and wiring to your Powerohm Braking Resistor, return the ventilated cover to its proper position. Securely tighten cover hardware (do not exceed 20 inch-pounds of torque).

MAINTENANCE: Periodically check the unit for loose connections and an accumulation of dust or dirt on the inside and outside of the resistor enclosure. Be sure to allow the unit to cool before servicing (contact may result in burn injury). Remove all power before servicing unit to avoid electrical shock. Allow at least one minute after input power has been removed for the bus voltage to discharge. Electric shock can cause injury or death.

Resistor elements should not glow red under normal operating conditions. If the resistor elements glow red you may need a higher rated braking resistor.

TECHNICAL SUPPORT: If you have any questions about your braking resistor, contact Powerohm for assistance at (800) 838-4694.

Application / Engineering Notes

- 1) ND HP = Normal duty HP rating of the drive
- 2) ND KW = Normal duty kW rating of the drive
- 3) Torque (% of Motor) = Maximum torque (power) a motor can discharge back through the drive
- 4) Min Ohms = Minimum resistance value of braking resistor based on drive limitations
- 5) Rated Ohms = the nominal resistance value designed to exceed the minimum resistance rating of the drive, yet maintain a minimum torque rating of 100%. Multiple torque ratings per horsepower are offered for selected duty cycles. Any listed torque rating less than 100% is due to the limitations of the drive. Applications requiring torque values that exceed the limitations of the drive, may require an external chopper module and a corresponding resistor.
- 6) Duty cycle %. The duty cycle and braking scheme (OHL and Decel) determine the power rating (watts) and therefore the physical size of the braking resistor. Duty cycle is calculated by dividing the braking stop time by the total cycle time. Maximum cycle time is 2 minutes.
- 7) Deceleration is typically considered to be a “ramp to stop” application. An example would be a bridge or trolley drive. An Overhauling load application example would be a hoist drive where during lowering, the weight of the load is driving the motor for an extended period of time. The duty cycle required for a decelerating application is considered half the duty cycle of an overhauling application. In a decelerating application the wave form is represented by a triangle wave versus a square wave for an overhauling application, therefore, since the on time is the same for each, the duty cycle is listed as half.
- 8) KW Second Note: All resistors listed on pages 40 - 61 have a kW-s rating shown in the column marked “kW-s”. To find the kilowatt second ratings of any resistor simply divide the number in the “kW-s” column by the on time in seconds of the application.

1336 Part Number Index

Resistor P/N	Ohms	Watts	kW-s	Encl Qty	Encl P/N	Dimensions	Weight (lbs)	List Price
PR220-1	154	800	12.3	1	GCE2	12W x 7D x 5H	9	\$194
PR220-1A	154	800	12.3	1	GCE2	12W x 7D x 5H	9	\$194
PR220-2	110	1,200	39.2	1	GCE3	12W x 10D x 5H	13	\$255
PR220-2A	110	800	15.9	1	GCE2	12W x 7D x 5H	9	\$194
PR220-3	85	1,600	76.3	1	GCE4	12W x 13D x 5H	16	\$317
PR220-3A	85	1,200	48.4	1	GCE3	12W x 10D x 5H	13	\$255
PR220-4	59	2,000	126.1	1	GCE5	12W x 16D x 5H	18	\$378
PR220-4A	59	1,600	75.6	1	GCE4	12W x 13D x 5H	16	\$317
PR220-5	45	2,800	202.0	1	GCE8	19W x 13D x 5H	24	\$501
PR220-5A	45	2,000	129.0	1	GCE5	12W x 16D x 5H	18	\$378
PR220-6	32	4,000	351.6	1	GCE10	19W x 16D x 5H	30	\$661
PR220-6A	32	2,400	221.4	1	GCE6	19W x 10D x 5H	20	\$439
PR220-7	20	6,480	220.0	1	GCE12	26.5W x 13D x 5H	31	\$765
PR220-7A	20	4,000	359.0	1	GCE10	19W x 16D x 5H	30	\$661
PR220-8	14.0	9,464	600.6	1	GCE18	28W x 10D x 10H	39	\$1,064
PR220-8A	14.0	7,406	376.1	1	GCE12	26.5W x 13D x 5H	31	\$765
PR220-9	11.0	14,256	1738.0	1	GCE24	28W x 13D x 10H	55	\$1,461
PR220-9A	11.0	9,251	898.4	1	GCE18	28W x 10D x 10H	41	\$1,064
PR220-10	7.3	18,250	3964.8	1	GCE30	28W x 16D x 10H	80	\$1,758
PR220-10A	7.3	14,782	2476.6	1	GCE24	28W x 13D x 10H	61	\$1,461
PR220-11	5.7	27,930	8238.3	1	ED2	30W x 18D x 16H	132	\$2,745
PR220-11A	5.7	20,520	5176.5	1	GCE30	28W x 16D x 10H	89	\$1,758
PR220-12	4.5	28,800	4794.3	1	ED3	30W x 18D x 24H	128	\$3,125
PR220-12A	4.5	22,050	6407.5	1	ED2	30W x 18D x 16H	111	\$2,251
PR220-13	3.8	38,000	8413.1	1	ED4	30W x 18D x 32H	183	\$3,867
PR220-13A	3.8	24,320	3995.3	1	ED3	30W x 18D x 24H	116	\$2,724
PR220-14A	2.7	38,880	9519.8	1	ED4	30W x 18D x 32H	184	\$3,465
PR220-14	2.7	53,000	14645.8	1	ED4	30W x 18D x 32H	235	\$4,804
PR220-15	2.2	63,886	20887.7	1	ED6	30W x 18D x 48H	339	\$6,724
PR220-16	1.8	78,083	21968.7	1	ED6	30W x 18D x 48H	349	\$6,971
PR220-17	1.5	93,700	31331.5	1	ED8	30W x 18D x 64H	488	\$9,777
PR2205-1	154	400	7.9	1	GCE1	12W x 5D x 5H	7	\$120
PR2205-1A	154	400	7.9	1	GCE1	12W x 5D x 5H	7	\$120
PR2205-1-CR	154	100	0.5	1	CR100	6W x 1.5D x 0.75H	1	\$56
PR2205-1A-CR	154	100	0.5	1	CR100	6W x 1.5D x 0.75H	1	\$56
PR2205-2	110	400	5.6	1	GCE1	12W x 5D x 5H	7	\$120
PR2205-2A	110	400	5.6	1	GCE1	12W x 5D x 5H	7	\$120
PR2205-2-CR	110	100	0.4	1	CR100	6W x 1.5D x 0.75H	1	\$56
PR2205-2A-CR	110	100	0.4	1	CR100	6W x 1.5D x 0.75H	1	\$56
PR2205-3	85	400	6.8	1	GCE1	12W x 5D x 5H	7	\$120
PR2205-3A	85	400	6.8	1	GCE1	12W x 5D x 5H	7	\$120
PR2205-3-CR	85	150	0.8	1	CR150	9W x 1.5D x 0.75H	1	\$67
PR2205-3A-CR	85	100	0.8	1	CR100	6W x 1.5D x 0.75H	1	\$56
PR2205-4	59	400	8.5	1	GCE1	12W x 5D x 5H	7	\$120
PR2205-4A	59	400	8.5	1	GCE1	12W x 5D x 5H	7	\$120
PR2205-4-CR	59	200	5.1	1	CR200	6W x 3D x 1.5H	2	\$78
PR2205-4A-CR	59	150	0.5	1	CR150	9W x 1.5D x 0.75H	1	\$67
PR2205-5	45	400	9.0	1	GCE1	12W x 5D x 5H	7	\$120
PR2205-5A	45	400	9.0	1	GCE1	12W x 5D x 5H	7	\$120
PR2205-5-CR	45	300	9.8	1	CR300	9W x 3D x 1.5H	3	\$90
PR2205-5A-CR	45	150	1.0	1	CR150	9W x 1.5D x 0.75H	1	\$67
PR2205-6	32	400	11.4	1	GCE1	12W x 5D x 5H	7	\$120
PR2205-6A	32	400	11.4	1	GCE1	12W x 5D x 5H	7	\$120
PR2205-6-CR	32	400	17.9	1	CR400	12W x 3D x 1.5H	4	\$112
PR2205-6A-CR	32	300	11.3	1	CR300	9W x 3D x 1.5H	3	\$90
PR2205-7	20	800	41.0	1	GCE2	12W x 7D x 5H	9	\$194
PR2205-7A	20	400	17.9	1	GCE1	12W x 5D x 5H	7	\$120
PR2205-7A-CR	20	400	11.2	1	CR400	12W x 3D x 1.5H	4	\$112
PR2205-8	14.0	800	38.5	1	GCE2	12W x 7D x 5H	9	\$194
PR2205-8A	14.0	800	38.5	1	GCE2	12W x 7D x 5H	9	\$194
PR2205-9	11.0	1,200	121.0	1	GCE3	12W x 10D x 5H	13	\$255
PR2205-9A	11.0	800	48.7	1	GCE2	12W x 7D x 5H	9	\$194
PR2205-10	7.3	1,600	131.4	1	GCE4	12W x 13D x 5H	16	\$317
PR2205-10A	7.3	1,200	130.8	1	GCE3	12W x 10D x 5H	13	\$255
PR2205-11	5.7	1,846	61.7	1	GCE6	19W x 10D x 5H	16	\$379
PR2205-11A	5.7	1,600	195.6	1	GCE4	12W x 13D x 5H	16	\$317
PR2205-12	4.5	2,380	133.0	1	GCE6	19W x 10D x 5H	17	\$393
PR2205-12A	4.5	1,800	71.7	1	GCE6	19W x 10D x 5H	16	\$379
PR2205-13	3.8	3,195	317.7	1	GCE6	19W x 10D x 5H	19	\$483
PR2205-13A	3.8	2,010	105.5	1	GCE6	19W x 10D x 5H	16	\$379

All resistors assemblies come mounted in a screened guarded enclosure and include a prewired terminal block and a normally closed thermal switch.

For outdoor enclosures add 10% to the price and -W to the part number. The standard enclosure finish is mill galvanized, however other finishes are available. Consult factory.

Resistor P/N	Ohms	Watts	kW-s	Encl Qty	Encl P/N	Dimensions	Weight (lbs)	List Price
PR2205-14	2.7	3,499	461.0	1	GCE6	19W x 10D x 5H	21	\$515
PR2205-14A	2.7	2,764	301.6	1	GCE6	19W x 10D x 5H	18	\$461
PR2205-15	2.2	5,500	1189.4	1	GCE9	26.5W x 10D x 5H	30	\$654
PR2205-15A	2.2	3,520	599.3	1	GCE6	19W x 10D x 5H	22	\$515
PR2205-16	1.8	6,480	1553.0	1	GCE9	26.5W x 10D x 5H	33	\$654
PR2205-16A	1.8	4,500	1015.4	1	GCE9	26.5W x 10D x 5H	30	\$610
PR2205-17	1.5	7,350	1941.2	1	GCE9	26.5W x 10D x 5H	36	\$760
PR2205-17A	1.5	5,400	1325.7	1	GCE9	26.5W x 10D x 5H	32	\$610
PR2210-1	154	400	7.9	1	GCE1	12W x 5D x 5H	7	\$120
PR2210-1A	154	400	7.9	1	GCE1	12W x 5D x 5H	7	\$120
PR2210-1-CR	154	150	0.5	1	CR150	9W x 1.5D x 0.75H	1	\$67
PR2210-1A-CR	154	100	0.5	1	CR100	6W x 1.5D x 0.75H	1	\$56
PR2210-2	110	400	5.6	1	GCE1	12W x 5D x 5H	7	\$120
PR2210-2A	110	400	5.6	1	GCE1	12W x 5D x 5H	7	\$120
PR2210-2-CR	110	200	2.5	1	CR200	6W x 3D x 1.5H	2	\$78
PR2210-2A-CR	110	150	1.0	1	CR150	9W x 1.5D x 0.75H	1	\$67
PR2210-3	85	400	6.8	1	GCE1	12W x 5D x 5H	7	\$120
PR2210-3A	85	400	6.8	1	GCE1	12W x 5D x 5H	7	\$120
PR2210-3-CR	85	300	7.4	1	CR300	9W x 3D x 1.5H	3	\$90
PR2210-3A-CR	85	200	4.7	1	CR200	6W x 3D x 1.5H	2	\$78
PR2210-4	59	400	8.5	1	GCE1	12W x 5D x 5H	7	\$120
PR2210-4A	59	400	8.5	1	GCE1	12W x 5D x 5H	7	\$120
PR2210-4-CR	59	400	12.8	1	CR400	12W x 3D x 1.5H	4	\$112
PR2210-4A-CR	59	300	12.8	1	CR300	9W x 3D x 1.5H	3	\$90
PR2210-5	45	800	40.4	1	GCE2	12W x 7D x 5H	9	\$194
PR2210-5A	45	400	9.0	1	GCE1	12W x 5D x 5H	7	\$120
PR2210-5A-CR	45	400	15.8	1	CR400	12W x 3D x 1.5H	4	\$112
PR2210-6	32	800	41.0	1	GCE2	12W x 7D x 5H	9	\$194
PR2210-6A	32	800	41.0	1	GCE2	12W x 7D x 5H	9	\$194
PR2210-7	20	1,200	55.0	1	GCE3	12W x 10D x 5H	13	\$255
PR2210-7A	20	800	41.0	1	GCE2	12W x 7D x 5H	9	\$194
PR2210-8	14.0	1,600	153.8	1	GCE4	12W x 13D x 5H	16	\$317
PR2210-8A	14.0	1,200	95.8	1	GCE3	12W x 10D x 5H	13	\$255
PR2210-9	11.0	2,000	197.4	1	GCE5	12W x 16D x 5H	18	\$378
PR2210-9A	11.0	1,600	197.4	1	GCE4	12W x 13D x 5H	16	\$317
PR2210-10	7.3	2,920	107.5	1	GCE6	19W x 10D x 5H	17	\$461
PR2210-10A	7.3	1,868	77.8	1	GCE6	19W x 10D x 5H	16	\$379
PR2210-11	5.7	3,853	212.4	1	GCE6	19W x 10D x 5H	19	\$483
PR2210-11A	5.7	2,280	90.3	1	GCE6	19W x 10D x 5H	17	\$393
PR2210-12	4.5	4,608	537.7	1	GCE9	26.5W x 10D x 5H	26	\$604
PR2210-12A	4.5	3,042	168.5	1	GCE6	19W x 10D x 5H	17	\$461
PR2210-13	3.8	6,080	1129.7	1	GCE12	26.5W x 13D x 5H	33	\$832
PR2210-13A	3.8	3,891	459.0	1	GCE9	26.5W x 10D x 5H	26	\$563
PR2210-14	2.7	9,720	2588.3	1	GCE15	26.5W x 16D x 5H	49	\$986
PR2210-14A	2.7	5,467	928.7	1	GCE9	26.5W x 10D x 5H	28	\$654
PR2210-15	2.2	10,780	3235.3	1	GCE15	26.5W x 16D x 5H	54	\$1,164
PR2210-15A	2.2	7,920	2070.6	1	GCE12	26.5W x 13D x 5H	41	\$832
PR2210-16	1.8	11,520	2259.4	1	GCE24	28W x 13D x 10H	59	\$1,461
PR2210-16A	1.8	8,820	2588.3	1	GCE12	26.5W x 13D x 5H	45	\$974
PR2210-17	1.5	15,000	3171.8	1	GCE24	28W x 13D x 10H	67	\$1,461
PR2210-17A	1.5	6,144	716.9	1	GCE12	26.5W x 13D x 5H	32	\$765
PR222-1	154	400	7.9	1	GCE1	12W x 5D x 5H	7	\$120
PR222-1A	154	400	7.9	1	GCE1	12W x 5D x 5H	7	\$120
PR222-2	110	400	5.6	1	GCE1	12W x 5D x 5H	7	\$120
PR222-2A	110	400	5.6	1	GCE1	12W x 5D x 5H	7	\$120
PR222-3	85	400	6.8	1	GCE1	12W x 5D x 5H	7	\$120
PR222-3A	85	400	6.8	1	GCE1	12W x 5D x 5H	7	\$120
PR222-4	59	800	33.6	1	GCE2	12W x 7D x 5H	9	\$194
PR222-4A	59	400	8.5	1	GCE1	12W x 5D x 5H	7	\$120
PR222-5	45	800	40.4	1	GCE2	12W x 7D x 5H	9	\$194
PR222-5A	45	800	40.4	1	GCE2	12W x 7D x 5H	9	\$194
PR222-6	32	1,200	65.7	1	GCE3	12W x 10D x 5H	13	\$255
PR222-6A	32	800	41.0	1	GCE2	12W x 7D x 5H	9	\$194
PR222-7	20	1,600	138.5	1	GCE4	12W x 13D x 5H	16	\$317
PR222-7A	20	1,200	55.0	1	GCE3	12W x 10D x 5H	13	\$255
PR222-8	14.0	2,400	250.9	1	GCE6	19W x 10D x 5H	20	\$439
PR222-8A	14.0	1,600	153.8	1	GCE4	12W x 13D x 5H	16	\$317
PR222-9	11.0	3,564	116.7	1	GCE6	19W x 10D x 5H	19	\$483
PR222-9A	11.0	2,400	197.1	1	GCE6	19W x 10D x 5H	20	\$439
PR222-10	7.3	6,139	598.9	1	GCE12	26.5W x 13D x 5H	30	\$765
PR222-10A	7.3	3,861	199.5	1	GCE6	19W x 10D x 5H	19	\$483

Resistor P/N	Ohms	Watts	kW-s	Encl	Encl P/N	Dimensions	Weight	List Price
All resistors assemblies come mounted in a screened guarded enclosure and include a prewired terminal block and a normally closed thermal switch.					For outdoor enclosures add 10% to the price and -W to the part number. The standard enclosure finish is mill galvanized, however other finishes are available. Consult factory.			

				Qty			(lbs)	
PR222-11	5.7	5,836	612.0	1	GCE12	26.5W x 13D x 5H	32	\$710
PR222-11A	5.7	4,793	449.2	1	GCE9	26.5W x 10D x 5H	25	\$604
PR222-12	4.5	9,112	1547.9	1	GCE15	26.5W x 16D x 5H	41	\$986
PR222-12A	4.5	5,832	741.8	1	GCE12	26.5W x 13D x 5H	32	\$773
PR222-13	3.8	9,500	1982.4	1	GCE15	26.5W x 16D x 5H	44	\$986
PR222-13A	3.8	7,695	1238.3	1	GCE12	26.5W x 13D x 5H	34	\$832
PR222-14	2.7	17,280	2824.2	1	GCE30	28W x 16D x 10H	70	\$1,758
PR222-14A	2.7	9,720	2588.3	1	GCE15	26.5W x 16D x 5H	49	\$986
PR222-15	2.2	22,000	5047.9	1	ED2	30W x 18D x 16H	107	\$2,330
PR222-15A	2.2	14,080	2259.4	1	GCE24	28W x 13D x 10H	59	\$1,461
PR222-16	1.8	25,920	6590.6	1	ED2	30W x 18D x 16H	117	\$2,330
PR222-16A	1.8	14,580	2476.6	1	GCE24	28W x 13D x 10H	61	\$1,461
PR222-17A	1.5	5,400	1325.7	1	GCE9	26.5W x 10D x 5H	32	\$610
PR222-17	1.5	27,400	4598.4	1	ED3	30W x 18D x 24H	123	\$2,824
PR222-1-CR	154	300	8.4	1	CR300	9W x 3D x 1.5H	3	\$90
PR222-2-CR	110	400	15.3	1	CR400	12W x 3D x 1.5H	4	\$112
PR222-1A-CR	154	200	3.5	1	CR200	6W x 3D x 1.5H	2	\$78
PR222-2A-CR	110	300	9.6	1	CR300	9W x 3D x 1.5H	3	\$90
PR222-3A-CR	85	400	11.8	1	CR400	12W x 3D x 1.5H	4	\$112
PR225-1	154	800	12.3	1	GCE2	12W x 7D x 5H	9	\$194
PR225-1A	154	400	7.9	1	GCE1	12W x 5D x 5H	7	\$120
PR225-2	110	800	15.9	1	GCE2	12W x 7D x 5H	9	\$194
PR225-2A	110	800	15.9	1	GCE2	12W x 7D x 5H	9	\$194
PR225-3	85	1,200	48.4	1	GCE3	12W x 10D x 5H	13	\$255
PR225-3A	85	800	17.0	1	GCE2	12W x 7D x 5H	9	\$194
PR225-4	59	1,600	75.6	1	GCE4	12W x 13D x 5H	16	\$317
PR225-4A	59	1,200	53.0	1	GCE3	12W x 10D x 5H	13	\$255
PR225-5	45	2,000	129.0	1	GCE5	12W x 16D x 5H	18	\$378
PR225-5A	45	1,200	57.7	1	GCE3	12W x 10D x 5H	13	\$255
PR225-6	32	2,400	221.4	1	GCE6	19W x 10D x 5H	20	\$439
PR225-6A	32	1,600	91.7	1	GCE4	12W x 13D x 5H	16	\$317
PR225-7	20	4,000	359.0	1	GCE10	19W x 16D x 5H	30	\$661
PR225-7A	20	2,400	219.6	1	GCE6	19W x 10D x 5H	20	\$439
PR225-8	14.0	7,406	376.1	1	GCE12	26.5W x 13D x 5H	31	\$765
PR225-8A	14.0	4,536	165.0	1	GCE9	26.5W x 10D x 5H	25	\$604
PR225-9	11.0	9,251	898.4	1	GCE18	28W x 10D x 10H	41	\$1,064
PR225-9A	11.0	5,819	321.1	1	GCE12	26.5W x 13D x 5H	28	\$710
PR225-10	7.3	11,680	2259.4	1	GCE24	28W x 13D x 10H	59	\$1,461
PR225-10A	7.3	7,475	896.2	1	GCE15	26.5W x 16D x 5H	37	\$903
PR225-11	5.7	20,520	5176.5	1	GCE30	28W x 16D x 10H	89	\$1,758
PR225-11A	5.7	11,542	1857.5	1	GCE18	28W x 10D x 10H	49	\$1,164
PR225-12	4.5	18,432	2028.4	1	ED2	30W x 18D x 16H	83	\$1,962
PR225-12A	4.5	16,200	4141.2	1	GCE24	28W x 13D x 10H	74	\$1,461
PR225-13	3.8	24,320	3995.3	1	ED3	30W x 18D x 24H	116	\$2,724
PR225-13A	3.8	18,620	5176.5	1	GCE24	28W x 13D x 10H	82	\$1,746
PR225-14	2.7	38,880	9519.8	1	ED4	30W x 18D x 32H	184	\$3,465
PR225-14A	2.7	21,870	3941.5	1	ED2	30W x 18D x 16H	98	\$2,330
PR225-15	2.2	49,500	10095.7	1	ED4	30W x 18D x 32H	205	\$4,470
PR225-15A	2.2	31,680	8055.2	1	ED3	30W x 18D x 24H	151	\$2,925
PR225-16A	1.8	35,280	10069.0	1	ED3	30W x 18D x 24H	168	\$3,431
PR225-1A-CR	154	400	13.4	1	CR400	12W x 3D x 1.5H	4	\$112
PR225-16	1.8	52,000	17255.0	1	ED5	30W x 18D x 40H	282	\$5,640
PR225-17	1.5	60,000	20979.4	1	ED5	30W x 18D x 40H	305	\$5,640
PR440-1	615	800	31.5	1	GCE2	12W x 7D x 5H	9	\$194
PR440-1A	615	800	31.5	1	GCE2	12W x 7D x 5H	9	\$194
PR440-2	439	1,200	22.5	1	GCE3	12W x 10D x 5H	13	\$255
PR440-2A	439	800	22.5	1	GCE2	12W x 7D x 5H	9	\$194
PR440-3	342	1,600	27.4	1	GCE4	12W x 13D x 5H	16	\$317
PR440-3A	342	1,200	17.5	1	GCE3	12W x 10D x 5H	13	\$255
PR440-4	237	2,000	47.3	1	GCE5	12W x 16D x 5H	18	\$378
PR440-4A	237	1,600	34.3	1	GCE4	12W x 13D x 5H	16	\$317
PR440-5	181	2,800	103.1	1	GCE8	19W x 13D x 5H	24	\$501
PR440-5A	181	2,000	64.5	1	GCE5	12W x 16D x 5H	18	\$378
PR440-6	128	3,600	164.1	1	GCE9	26.5W x 10D x 5H	27	\$600
PR440-6A	128	2,400	114.9	1	GCE6	19W x 10D x 5H	20	\$439
PR440-7	81	5,600	359.0	1	GCE15	26.5W x 16D x 5H	38	\$860
PR440-7A	81	4,000	232.1	1	GCE10	19W x 16D x 5H	30	\$661
PR440-8	56	8,000	1005.1	1	GCE24	28W x 13D x 10H	54	\$1,168
PR440-8A	56	5,600	628.2	1	GCE15	26.5W x 16D x 5H	38	\$860
PR440-9	44	14,256	495.0	1	GCE30	28W x 16D x 10H	61	\$1,477
PR440-9A	44	7,200	788.3	1	GCE18	28W x 10D x 10H	47	\$1,058
PR440-10	29	19,604	1062.0	1	ED2	30W x 18D x 16H	72	\$1,872

All resistors assemblies come mounted in a screened guarded enclosure and include a prewired terminal block and a normally closed thermal switch.

For outdoor enclosures add 10% to the price and -W to the part number. The standard enclosure finish is mill galvanized, however other finishes are available. Consult factory.

Resistor P/N	Ohms	Watts	kW-s	Encl Qty	Encl P/N	Dimensions	Weight (lbs)	List Price
PR440-10A	29	11,600	447.1	1	GCE24	28W x 13D x 10H	51	\$1,213
PR440-11	23	23,552	2535.5	1	ED3	30W x 18D x 24H	110	\$2,515
PR440-11A	23	15,548	900.9	1	GCE30	28W x 16D x 10H	55	\$1,477
PR440-12	18.0	28,800	4994.1	1	ED3	30W x 18D x 24H	131	\$3,226
PR440-12A	18.0	18,432	2028.4	1	ED2	30W x 18D x 16H	83	\$1,962
PR440-13	15.0	37,500	7571.8	1	ED3	30W x 18D x 24H	156	\$3,427
PR440-13A	15.0	24,000	4195.0	1	ED3	30W x 18D x 24H	119	\$2,824
PR440-14	12.0	58,800	16476.5	1	ED4	30W x 18D x 32H	256	\$5,298
PR440-14A	12.0	30,000	6169.6	1	ED3	30W x 18D x 24H	137	\$2,925
PR440-15	9.5	49,248	6146.6	1	ED5	30W x 18D x 40H	196	\$4,966
PR440-15A	9.5	38,912	4056.7	1	ED4	30W x 18D x 32H	158	\$3,733
PR440-16	8.0	64,800	10510.6	1	ED6	30W x 18D x 48H	258	\$5,866
PR440-16A	8.0	41,472	4917.2	1	ED4	30W x 18D x 32H	158	\$4,068
PR440-17A	6.4	64,000	13460.9	1	ED6	30W x 18D x 48H	282	\$5,866
PR440-17	6.4	92,160	23433.3	1	ED8	30W x 18D x 64H	411	\$7,687
PR440-18	5.0	112,500	24398.0	1	ED10	30W x 18D x 80H	487	\$10,211
PR440-19	4.0	129,600	31854.6	1	ED10	30W x 18D x 80H	539	\$10,211
PR440-20	3.6	144,000	49688.0	2	ED6	30W x 18D x 48H	721	\$13,201
PR440-21	2.6	234,000	76188.3	2	ED8	30W x 18D x 64H	1059	\$19,554
PR440-22	1.9	304,000	99376.0	2	ED10	30W x 18D x 80H	1356	\$25,167
PR4405-1	615	300	2.6	1	GCE1	12W x 5D x 5H	7	\$144
PR4405-1A	615	300	2.6	1	GCE1	12W x 5D x 5H	7	\$144
PR4405-1-CR	615	100	0.0	1	CR100	6W x 1.5D x 0.75H	1	\$56
PR4405-1A-CR	615	100	0.0	1	CR100	6W x 1.5D x 0.75H	1	\$56
PR4405-2	439	300	4.6	1	GCE1	12W x 5D x 5H	7	\$144
PR4405-2A	439	300	4.6	1	GCE1	12W x 5D x 5H	7	\$144
PR4405-2-CR	439	100	0.0	1	CR100	6W x 1.5D x 0.75H	1	\$56
PR4405-2A-CR	439	100	0.0	1	CR100	6W x 1.5D x 0.75H	1	\$56
PR4405-3	342	300	3.6	1	GCE1	12W x 5D x 5H	7	\$144
PR4405-3A	342	300	3.6	1	GCE1	12W x 5D x 5H	7	\$144
PR4405-3-CR	342	150	0.5	1	CR150	9W x 1.5D x 0.75H	1	\$67
PR4405-3A-CR	342	100	0.5	1	CR100	6W x 1.5D x 0.75H	1	\$56
PR4405-4	237	400	12.2	1	GCE1	12W x 5D x 5H	7	\$120
PR4405-4A	237	400	12.2	1	GCE1	12W x 5D x 5H	7	\$120
PR4405-4-CR	237	200	2.2	1	CR200	6W x 3D x 1.5H	2	\$78
PR4405-4A-CR	237	150	0.8	1	CR150	9W x 1.5D x 0.75H	1	\$67
PR4405-5	181	400	9.3	1	GCE1	12W x 5D x 5H	7	\$120
PR4405-5A	181	400	9.3	1	GCE1	12W x 5D x 5H	7	\$120
PR4405-5-CR	181	300	4.1	1	CR300	9W x 3D x 1.5H	3	\$90
PR4405-5A-CR	181	200	1.7	1	CR200	6W x 3D x 1.5H	2	\$78
PR4405-6	128	400	6.6	1	GCE1	12W x 5D x 5H	7	\$120
PR4405-6A	128	400	6.6	1	GCE1	12W x 5D x 5H	7	\$120
PR4405-6-CR	128	400	11.1	1	CR400	12W x 3D x 1.5H	4	\$112
PR4405-6A-CR	128	300	7.0	1	CR300	9W x 3D x 1.5H	3	\$90
PR4405-7	81	800	28.8	1	GCE2	12W x 7D x 5H	9	\$194
PR4405-7A	81	400	6.5	1	GCE1	12W x 5D x 5H	7	\$120
PR4405-7A-CR	81	400	17.6	1	CR400	12W x 3D x 1.5H	4	\$112
PR4405-8	56	800	31.9	1	GCE2	12W x 7D x 5H	9	\$194
PR4405-8A	56	800	31.9	1	GCE2	12W x 7D x 5H	9	\$194
PR4405-9	44	1,200	56.4	1	GCE3	12W x 10D x 5H	13	\$255
PR4405-9A	44	800	39.5	1	GCE2	12W x 7D x 5H	9	\$194
PR4405-10	29	1,600	79.7	1	GCE4	12W x 13D x 5H	16	\$317
PR4405-10A	29	1,200	59.5	1	GCE3	12W x 10D x 5H	13	\$255
PR4405-11	23	2,000	157.3	1	GCE5	12W x 16D x 5H	18	\$378
PR4405-11A	23	1,200	63.2	1	GCE3	12W x 10D x 5H	13	\$255
PR4405-12	18.0	2,400	197.8	1	GCE6	19W x 10D x 5H	20	\$439
PR4405-12A	18.0	1,600	123.1	1	GCE4	12W x 13D x 5H	16	\$317
PR4405-13	15.0	2,800	268.9	1	GCE8	19W x 13D x 5H	24	\$501
PR4405-13A	15.0	2,000	164.8	1	GCE5	12W x 16D x 5H	18	\$378
PR4405-14	12.0	3,888	180.7	1	GCE8	19W x 13D x 5H	23	\$597
PR4405-14A	12.0	2,400	215.4	1	GCE6	19W x 10D x 5H	20	\$439
PR4405-15	9.5	5,025	266.0	1	GCE8	19W x 13D x 5H	23	\$597
PR4405-15A	9.5	3,800	135.5	1	GCE6	19W x 10D x 5H	19	\$483
PR4405-16	8.0	5,408	300.3	1	GCE9	26.5W x 10D x 5H	23	\$604
PR4405-16A	8.0	4,232	240.8	1	GCE9	26.5W x 10D x 5H	24	\$563
PR4405-17	6.4	6,553	716.9	1	GCE12	26.5W x 13D x 5H	32	\$765
PR4405-17A	6.4	4,326	256.3	1	GCE9	26.5W x 10D x 5H	24	\$563
PR4405-18	5.0	8,000	1412.1	1	GCE15	26.5W x 16D x 5H	39	\$986
PR4405-18A	5.0	6,480	869.0	1	GCE12	26.5W x 13D x 5H	32	\$832
PR4405-19	4.0	14,400	3623.6	1	GCE24	28W x 13D x 10H	68	\$1,331
PR4405-19A	4.0	8,100	1238.3	1	GCE12	26.5W x 13D x 5H	34	\$832

All resistors assemblies come mounted in a screened guarded enclosure and include a prewired terminal block and a normally closed thermal switch.

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Resistor P/N	Ohms	Watts	kW-s	Encl Qty	Encl P/N	Dimensions	Weight (lbs)	List Price
PR4405-20	3.9	14,040	3623.6	1	GCE24	28W x 13D x 10H	68	\$1,331
PR4405-20A	3.9	7,897	1238.3	1	GCE12	26.5W x 13D x 5H	34	\$832
PR4405-21	2.6	16,640	2824.2	1	GCE30	28W x 16D x 10H	70	\$1,758
PR4405-21A	2.6	12,740	3882.4	1	GCE18	28W x 10D x 10H	64	\$1,378
PR4405-22	1.9	23,000	2765.9	1	ED2	30W x 18D x 16H	89	\$2,330
PR4410-1	615	300	2.6	1	GCE1	12W x 5D x 5H	7	\$144
PR4410-1A	615	300	2.6	1	GCE1	12W x 5D x 5H	7	\$144
PR4410-1-CR	615	150	2.2	1	CR150	9W x 1.5D x 0.75H	1	\$67
PR4410-1A-CR	615	100	0.0	1	CR100	6W x 1.5D x 0.75H	1	\$56
PR4410-2	439	300	4.6	1	GCE1	12W x 5D x 5H	7	\$144
PR4410-2A	439	300	4.6	1	GCE1	12W x 5D x 5H	7	\$144
PR4410-2-CR	439	200	1.5	1	CR200	6W x 3D x 1.5H	2	\$78
PR4410-2A-CR	439	150	0.6	1	CR150	9W x 1.5D x 0.75H	1	\$67
PR4410-3	342	300	3.6	1	GCE1	12W x 5D x 5H	7	\$144
PR4410-3A	342	300	3.6	1	GCE1	12W x 5D x 5H	7	\$144
PR4410-3-CR	342	300	3.1	1	CR300	9W x 3D x 1.5H	3	\$90
PR4410-3A-CR	342	200	3.1	1	CR200	6W x 3D x 1.5H	2	\$78
PR4410-4	237	400	12.2	1	GCE1	12W x 5D x 5H	7	\$120
PR4410-4A	237	400	12.2	1	GCE1	12W x 5D x 5H	7	\$120
PR4410-4-CR	237	400	5.4	1	CR400	12W x 3D x 1.5H	4	\$112
PR4410-4A-CR	237	300	5.4	1	CR300	9W x 3D x 1.5H	3	\$90
PR4410-5	181	800	9.3	1	GCE2	12W x 7D x 5H	9	\$194
PR4410-5A	181	400	9.3	1	GCE1	12W x 5D x 5H	7	\$120
PR4410-5A-CR	181	400	9.9	1	CR400	12W x 3D x 1.5H	4	\$112
PR4410-6	128	800	18.5	1	GCE2	12W x 7D x 5H	9	\$194
PR4410-6A	128	800	18.5	1	GCE2	12W x 7D x 5H	9	\$194
PR4410-7	81	1,200	46.2	1	GCE3	12W x 10D x 5H	13	\$255
PR4410-7A	81	800	28.8	1	GCE2	12W x 7D x 5H	9	\$194
PR4410-8	56	1,600	71.8	1	GCE4	12W x 13D x 5H	16	\$317
PR4410-8A	56	1,200	50.3	1	GCE3	12W x 10D x 5H	13	\$255
PR4410-9	44	2,000	126.1	1	GCE5	12W x 16D x 5H	18	\$378
PR4410-9A	44	1,200	56.4	1	GCE3	12W x 10D x 5H	13	\$255
PR4410-10	29	2,800	325.1	1	GCE8	19W x 13D x 5H	24	\$501
PR4410-10A	29	2,000	128.4	1	GCE5	12W x 16D x 5H	18	\$378
PR4410-11	23	3,600	413.5	1	GCE9	26.5W x 10D x 5H	27	\$600
PR4410-11A	23	2,400	257.8	1	GCE6	19W x 10D x 5H	20	\$439
PR4410-12	18.0	4,608	195.8	1	GCE8	19W x 13D x 5H	23	\$597
PR4410-12A	18.0	3,200	323.1	1	GCE8	19W x 13D x 5H	25	\$539
PR4410-13	15.0	6,000	218.1	1	GCE12	26.5W x 13D x 5H	28	\$710
PR4410-13A	15.0	3,840	177.1	1	GCE9	26.5W x 10D x 5H	24	\$563
PR4410-14	12.0	8,112	500.5	1	GCE15	26.5W x 16D x 5H	33	\$903
PR4410-14A	12.0	4,800	191.6	1	GCE9	26.5W x 10D x 5H	25	\$604
PR4410-15	9.5	9,728	1075.4	1	GCE18	28W x 10D x 10H	44	\$1,064
PR4410-15A	9.5	6,422	400.4	1	GCE12	26.5W x 13D x 5H	28	\$765
PR4410-16	8.0	10,368	1303.5	1	GCE18	28W x 10D x 10H	44	\$1,164
PR4410-16A	8.0	8,192	896.2	1	GCE15	26.5W x 16D x 5H	37	\$903
PR4410-17	6.4	12,960	2167.1	1	GCE24	28W x 13D x 10H	57	\$1,331
PR4410-17A	6.4	8,294	1086.2	1	GCE15	26.5W x 16D x 5H	37	\$986
PR4410-18	5.0	18,000	4658.9	1	GCE30	28W x 16D x 10H	84	\$1,628
PR4410-18A	5.0	12,500	2775.4	1	GCE24	28W x 13D x 10H	62	\$1,331
PR4410-19	4.0	20,736	2765.9	1	ED2	30W x 18D x 16H	89	\$2,330
PR4410-19A	4.0	14,400	3623.6	1	GCE24	28W x 13D x 10H	68	\$1,331
PR4410-20	3.9	24,960	4394.8	1	ED3	30W x 18D x 24H	122	\$2,925
PR4410-20A	3.9	14,040	3623.6	1	GCE24	28W x 13D x 10H	68	\$1,331
PR4410-21	2.6	37,440	9519.8	1	ED4	30W x 18D x 32H	184	\$3,465
PR4410-21A	2.6	21,060	3503.5	1	ED2	30W x 18D x 16H	91	\$2,130
PR4410-22	1.9	44,000	9254.4	1	ED4	30W x 18D x 32H	194	\$4,168
PR442-1	615	300	2.6	1	GCE1	12W x 5D x 5H	7	\$144
PR442-1A	615	300	2.6	1	GCE1	12W x 5D x 5H	7	\$144
PR442-1-CR	615	300	2.2	1	CR300	9W x 3D x 1.5H	3	\$90
PR442-1A-CR	615	200	2.2	1	CR200	6W x 3D x 1.5H	2	\$78
PR442-2	439	300	4.6	1	GCE1	12W x 5D x 5H	7	\$144
PR442-2A	439	300	4.6	1	GCE1	12W x 5D x 5H	7	\$144
PR442-2-CR	439	400	10.0	1	CR400	12W x 3D x 1.5H	4	\$112
PR442-2A-CR	439	300	4.0	1	CR300	9W x 3D x 1.5H	3	\$90
PR442-3	342	300	3.6	1	GCE1	12W x 5D x 5H	7	\$144
PR442-3A	342	300	3.6	1	GCE1	12W x 5D x 5H	7	\$144
PR442-3A-CR	342	400	7.8	1	CR400	12W x 3D x 1.5H	4	\$112
PR442-4	237	800	12.2	1	GCE2	12W x 7D x 5H	9	\$194
PR442-4A	237	400	12.2	1	GCE1	12W x 5D x 5H	7	\$120
PR442-5	181	800	9.3	1	GCE2	12W x 7D x 5H	9	\$194

All resistors assemblies come mounted in a screened guarded enclosure and include a prewired terminal block and a normally closed thermal switch.

For outdoor enclosures add 10% to the price and -W to the part number. The standard enclosure finish is mill galvanized, however other finishes are available. Consult factory.

Resistor P/N	Ohms	Watts	kW-s	Encl Qty	Encl P/N	Dimensions	Weight (lbs)	List Price
PR442-5A	181	800	9.3	1	GCE2	12W x 7D x 5H	9	\$194
PR442-6	128	1,200	25.5	1	GCE3	12W x 10D x 5H	13	\$255
PR442-6A	128	800	18.5	1	GCE2	12W x 7D x 5H	9	\$194
PR442-7	81	1,600	72.7	1	GCE4	12W x 13D x 5H	16	\$317
PR442-7A	81	1,200	46.2	1	GCE3	12W x 10D x 5H	13	\$255
PR442-8	56	2,400	114.8	1	GCE6	19W x 10D x 5H	20	\$439
PR442-8A	56	1,600	71.8	1	GCE4	12W x 13D x 5H	16	\$317
PR442-9	44	2,800	197.6	1	GCE8	19W x 13D x 5H	24	\$501
PR442-9A	44	2,000	126.1	1	GCE5	12W x 16D x 5H	18	\$378
PR442-10	29	4,800	521.2	1	GCE12	26.5W x 13D x 5H	33	\$760
PR442-10A	29	3,200	319.1	1	GCE8	19W x 13D x 5H	25	\$539
PR442-11	23	7,452	275.0	1	GCE15	26.5W x 16D x 5H	36	\$903
PR442-11A	23	4,000	412.8	1	GCE10	19W x 16D x 5H	30	\$661
PR442-12	18.0	9,522	564.1	1	gce18	28W x 10D x 10H	43	\$1,064
PR442-12A	18.0	5,832	220.0	1	GCE12	26.5W x 13D x 5H	31	\$765
PR442-13	15.0	10,140	600.6	1	GCE18	28W x 10D x 10H	39	\$1,064
PR442-13A	15.0	7,935	401.3	1	GCE15	26.5W x 16D x 5H	33	\$835
PR442-14	12.0	15,552	1955.2	1	GCE30	28W x 16D x 10H	63	\$1,628
PR442-14A	12.0	10,092	898.4	1	GCE18	28W x 10D x 10H	41	\$1,064
PR442-15	9.5	15,200	2596.9	1	ED2	30W x 18D x 16H	79	\$1,828
PR442-15A	9.5	12,312	1520.7	1	GCE24	28W x 13D x 10H	52	\$1,331
PR442-16	8.0	16,200	2846.6	1	ED2	30W x 18D x 16H	82	\$1,828
PR442-16A	8.0	16,200	2786.2	1	GCE30	28W x 16D x 10H	70	\$1,628
PR442-17	6.4	23,040	5858.3	1	ED2	30W x 18D x 16H	109	\$2,130
PR442-17A	6.4	16,000	3568.3	1	GCE30	28W x 16D x 10H	76	\$1,628
PR442-18	5.0	32,000	5593.4	1	ED4	30W x 18D x 32H	156	\$3,666
PR442-18A	5.0	24,500	6865.2	1	ED2	30W x 18D x 16H	117	\$2,374
PR442-19	4.0	40,000	8413.1	1	ED4	30W x 18D x 32H	183	\$3,867
PR442-19A	4.0	25,600	4394.8	1	ED3	30W x 18D x 24H	122	\$2,925
PR442-20	3.9	45,489	5531.9	1	ED4	30W x 18D x 32H	169	\$4,470
PR442-20A	3.9	31,590	5255.3	1	ED3	30W x 18D x 24H	133	\$3,125
PR442-21A	2.6	37,440	9519.8	1	ED4	30W x 18D x 32H	184	\$3,465
PR442-21	2.6	56,000	12619.6	1	ED5	30W x 18D x 40H	255	\$5,468
PR442-22	1.9	76,000	26500.3	1	ED6	30W x 18D x 48H	378	\$6,971
PR445-1	615	800	31.5	1	GCE2	12W x 7D x 5H	9	\$194
PR445-1A	615	300	2.6	1	GCE1	12W x 5D x 5H	7	\$144
PR445-2	439	800	22.5	1	GCE2	12W x 7D x 5H	9	\$194
PR445-2A	439	300	4.6	1	GCE1	12W x 5D x 5H	7	\$144
PR445-3	342	1,200	17.5	1	GCE3	12W x 10D x 5H	13	\$255
PR445-3A	342	800	17.5	1	GCE2	12W x 7D x 5H	9	\$194
PR445-4	237	1,600	34.3	1	GCE4	12W x 13D x 5H	16	\$317
PR445-4A	237	1,200	19.0	1	GCE3	12W x 10D x 5H	13	\$255
PR445-5	181	2,000	64.5	1	GCE5	12W x 16D x 5H	18	\$378
PR445-5A	181	1,200	26.2	1	GCE3	12W x 10D x 5H	13	\$255
PR445-6	128	2,400	114.9	1	GCE6	19W x 10D x 5H	20	\$439
PR445-6A	128	1,600	45.6	1	GCE4	12W x 13D x 5H	16	\$317
PR445-7	81	3,600	232.1	1	GCE9	26.5W x 10D x 5H	27	\$600
PR445-7A	81	2,800	173.1	1	GCE8	19W x 13D x 5H	24	\$501
PR445-8	56	5,600	628.2	1	GCE15	26.5W x 16D x 5H	38	\$860
PR445-8A	56	3,600	251.2	1	GCE9	26.5W x 10D x 5H	27	\$600
PR445-9	44	7,200	788.3	1	GCE18	28W x 10D x 10H	47	\$1,058
PR445-9A	44	4,800	484.0	1	GCE12	26.5W x 13D x 5H	33	\$760
PR445-10	29	11,600	447.1	1	GCE24	28W x 13D x 10H	51	\$1,213
PR445-10A	29	9,396	330.0	1	GCE18	28W x 10D x 10H	43	\$1,064
PR445-11	23	15,548	900.9	1	GCE30	28W x 16D x 10H	55	\$1,477
PR445-11A	23	12,167	658.2	1	GCE24	28W x 13D x 10H	51	\$1,213
PR445-12	18.0	18,432	2028.4	1	ED2	30W x 18D x 16H	83	\$1,962
PR445-12A	18.0	15,138	1497.3	1	GCE30	28W x 16D x 10H	61	\$1,591
PR445-13	15.0	24,000	3995.3	1	ED3	30W x 18D x 24H	116	\$2,724
PR445-13A	15.0	15,360	1648.0	1	ED2	30W x 18D x 16H	75	\$1,692
PR445-14	12.0	30,000	6169.6	1	ED3	30W x 18D x 24H	137	\$2,925
PR445-14A	12.0	24,300	3941.5	1	ED2	30W x 18D x 16H	98	\$2,330
PR445-15	9.5	34,200	8787.5	1	ED3	30W x 18D x 24H	159	\$3,125
PR445-15A	9.5	23,750	5047.9	1	ED2	30W x 18D x 16H	107	\$2,330
PR445-16	8.0	41,472	4917.2	1	ED4	30W x 18D x 32H	158	\$4,068
PR445-16A	8.0	28,800	7322.9	1	ED3	30W x 18D x 24H	142	\$2,724
PR445-17	6.4	64,000	13460.9	1	ED6	30W x 18D x 48H	282	\$5,866
PR445-17A	6.4	33,177	4302.6	1	ED4	30W x 18D x 32H	148	\$3,666
PR445-18	5.0	72,000	18307.3	1	ED7	30W x 18D x 56H	335	\$6,173
PR445-18A	5.0	50,000	11217.5	1	ED5	30W x 18D x 40H	236	\$4,966
PR445-19A	4.0	57,600	14645.8	1	ED5	30W x 18D x 40H	260	\$4,966

All resistors assemblies come mounted in a screened guarded enclosure and include a prewired terminal block and a normally closed thermal switch.

For outdoor enclosures add 10% to the price and -W to the part number. The standard enclosure finish is mill galvanized, however other finishes are available. Consult factory.

Resistor P/N	Ohms	Watts	kW-s	Encl Qty	Encl P/N	Dimensions	Weight (lbs)	List Price
PR445-19	4.0	90,000	19350.1	1	ED8	30W x 18D x 64H	391	\$8,189
PR445-20	3.9	112,710	36326.4	1	ED10	30W x 18D x 80H	573	\$11,349
PR445-21	2.6	114,660	31580.0	1	ED8	30W x 18D x 64H	488	\$9,777
PR445-22	1.9	171,000	56313.1	2	ED6	30W x 18D x 48H	789	\$14,682
PR550-1	956	300	10.0	1	GCE2	12W x 7D x 5H	10	\$242
PR550-1A	956	300	10.0	1	GCE2	12W x 7D x 5H	10	\$242
PR550-2	695	1,200	35.6	1	GCE3	12W x 10D x 5H	13	\$255
PR550-2A	695	300	7.3	1	GCE2	12W x 7D x 5H	10	\$242
PR550-3	546	1,600	28.0	1	GCE4	12W x 13D x 5H	16	\$317
PR550-3A	546	1,200	28.0	1	GCE3	12W x 10D x 5H	13	\$255
PR550-4	364	2,000	29.2	1	GCE5	12W x 16D x 5H	18	\$378
PR550-4A	364	1,600	18.7	1	GCE4	12W x 13D x 5H	16	\$317
PR550-5	283	2,800	100.8	1	GCE8	19W x 13D x 5H	24	\$501
PR550-5A	283	2,000	41.0	1	GCE5	12W x 16D x 5H	18	\$378
PR550-6	196	4,000	175.9	1	GCE10	19W x 16D x 5H	30	\$661
PR550-6A	196	2,400	69.8	1	GCE6	19W x 10D x 5H	20	\$439
PR550-7	125	5,600	358.3	1	GCE15	26.5W x 16D x 5H	38	\$860
PR550-7A	125	4,000	267.1	1	GCE10	19W x 16D x 5H	30	\$661
PR550-8	85	8,800	952.6	1	GCE24	28W x 13D x 10H	56	\$1,244
PR550-8A	85	5,600	381.3	1	GCE15	26.5W x 16D x 5H	38	\$860
PR550-9	70	10,400	1255.3	1	GCE30	28W x 16D x 10H	66	\$1,430
PR550-9A	70	7,200	785.5	1	GCE18	28W x 10D x 10H	47	\$1,058
PR550-10	45	18,000	638.7	1	GCE30	28W x 16D x 10H	64	\$1,591
PR550-10A	45	14,580	495.0	1	GCE30	28W x 16D x 10H	61	\$1,477
PR550-11	35	23,660	1274.4	1	ED2	30W x 18D x 16H	78	\$2,142
PR550-11A	35	18,515	940.2	1	GCE30	28W x 16D x 10H	64	\$1,591
PR550-12	28	28,672	3042.5	1	ED3	30W x 18D x 24H	121	\$2,874
PR550-12A	28	18,928	1062.0	1	ED2	30W x 18D x 16H	72	\$1,872
PR550-13	24	31,104	3995.3	1	ED3	30W x 18D x 24H	126	\$3,326
PR550-13A	24	24,576	2662.2	1	ED3	30W x 18D x 24H	113	\$2,605
PR550-14	19.0	47,500	10656.6	1	ED5	30W x 18D x 40H	229	\$4,766
PR550-14A	19.0	30,400	5393.6	1	ED3	30W x 18D x 24H	137	\$3,427
PR550-15	15.0	73,500	20595.7	1	ED5	30W x 18D x 40H	318	\$6,504
PR550-15A	15.0	37,500	7571.8	1	ED3	30W x 18D x 24H	156	\$3,427
PR550-16	12.0	86,700	28607.0	1	ED7	30W x 18D x 56H	441	\$8,929
PR550-16A	12.0	43,200	10984.4	1	ED4	30W x 18D x 32H	201	\$3,867
PR550-17A	10.0	49,000	13730.4	1	ED4	30W x 18D x 32H	225	\$4,557
PR550-17	10.0	100,000	34781.6	1	ED7	30W x 18D x 56H	479	\$8,929
PR550-18	8.0	115,200	29291.6	1	ED10	30W x 18D x 80H	509	\$9,508
PR550-19	6.0	135,000	28604.5	2	ED6	30W x 18D x 48H	585	\$12,334
PR550-20	5.0	162,000	39543.7	2	ED6	30W x 18D x 48H	672	\$12,937
PR550-21	4.0	230,400	56020.2	2	ED9	30W x 18D x 72H	962	\$18,098
PR5505-1	956	300	1.5	1	GCE1	12W x 5D x 5H	7	\$144
PR5505-1A	956	300	1.5	1	GCE1	12W x 5D x 5H	7	\$144
PR5505-1-CR	956	100	0.0	1	CR100	6W x 1.5D x 0.75H	1	\$56
PR5505-1A-CR	956	100	0.0	1	CR100	6W x 1.5D x 0.75H	1	\$56
PR5505-2	695	300	1.5	1	GCE1	12W x 5D x 5H	7	\$144
PR5505-2A	695	300	1.5	1	GCE1	12W x 5D x 5H	7	\$144
PR5505-2-CR	695	100	0.0	1	CR100	6W x 1.5D x 0.75H	1	\$56
PR5505-2A-CR	695	100	0.0	1	CR100	6W x 1.5D x 0.75H	1	\$56
PR5505-3	546	300	5.7	1	GCE1	12W x 5D x 5H	7	\$144
PR5505-3A	546	300	5.7	1	GCE1	12W x 5D x 5H	7	\$144
PR5505-3-CR	546	150	0.8	1	CR150	9W x 1.5D x 0.75H	1	\$67
PR5505-3A-CR	546	100	0.0	1	CR100	6W x 1.5D x 0.75H	1	\$56
PR5505-4	364	300	3.8	1	GCE1	12W x 5D x 5H	7	\$144
PR5505-4A	364	300	3.8	1	GCE1	12W x 5D x 5H	7	\$144
PR5505-4-CR	364	200	1.3	1	CR200	6W x 3D x 1.5H	2	\$78
PR5505-4A-CR	364	150	0.5	1	CR150	9W x 1.5D x 0.75H	1	\$67
PR5505-5	283	300	7.4	1	GCE1	12W x 5D x 5H	7	\$144
PR5505-5A	283	300	7.4	1	GCE1	12W x 5D x 5H	7	\$144
PR5505-5-CR	283	300	6.4	1	CR300	9W x 3D x 1.5H	3	\$90
PR5505-5A-CR	283	150	1.0	1	CR150	9W x 1.5D x 0.75H	1	\$67
PR5505-6	196	400	10.1	1	GCE1	12W x 5D x 5H	7	\$120
PR5505-6A	196	400	10.1	1	GCE1	12W x 5D x 5H	7	\$120
PR5505-6-CR	196	400	10.7	1	CR400	12W x 3D x 1.5H	4	\$112
PR5505-6A-CR	196	300	4.5	1	CR300	9W x 3D x 1.5H	3	\$90
PR5505-7	125	800	18.1	1	GCE2	12W x 7D x 5H	9	\$194
PR5505-7A	125	400	6.4	1	GCE1	12W x 5D x 5H	7	\$120
PR5505-7A-CR	125	400	10.9	1	CR400	12W x 3D x 1.5H	4	\$112
PR5505-8	85	800	17.0	1	GCE2	12W x 7D x 5H	9	\$194
PR5505-8A	85	800	17.0	1	GCE2	12W x 7D x 5H	9	\$194

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Resistor P/N	Ohms	Watts	kW-s	Encl Qty	Encl P/N	Dimensions	Weight (lbs)	List Price
PR5505-9	70	1,200	39.9	1	GCE3	12W x 10D x 5H	13	\$255
PR5505-9A	70	800	24.9	1	GCE2	12W x 7D x 5H	9	\$194
PR5505-10	45	1,600	96.2	1	GCE4	12W x 13D x 5H	16	\$317
PR5505-10A	45	1,200	57.7	1	GCE3	12W x 10D x 5H	13	\$255
PR5505-11	35	2,000	96.2	1	GCE5	12W x 16D x 5H	18	\$378
PR5505-11A	35	1,200	74.8	1	GCE3	12W x 10D x 5H	13	\$255
PR5505-12	28	2,400	191.6	1	GCE6	19W x 10D x 5H	20	\$439
PR5505-12A	28	1,600	76.9	1	GCE4	12W x 13D x 5H	16	\$317
PR5505-13	24	2,800	263.8	1	GCE8	19W x 13D x 5H	24	\$501
PR5505-13A	24	2,000	166.2	1	GCE5	12W x 16D x 5H	18	\$378
PR5505-14	19.0	3,200	341.7	1	GCE8	19W x 13D x 5H	25	\$539
PR5505-14A	19.0	2,400	209.0	1	GCE6	19W x 10D x 5H	20	\$439
PR5505-15	15.0	4,860	165.0	1	GCE9	26.5W x 10D x 5H	25	\$604
PR5505-15A	15.0	2,800	268.9	1	GCE8	19W x 13D x 5H	24	\$501
PR5505-16	12.0	6,348	376.1	1	GCE12	26.5W x 13D x 5H	31	\$765
PR5505-16A	12.0	3,888	140.8	1	GCE9	26.5W x 10D x 5H	24	\$563
PR5505-17	10.0	6,760	400.4	1	GCE12	26.5W x 13D x 5H	28	\$765
PR5505-17A	10.0	4,000	163.6	1	GCE9	26.5W x 10D x 5H	24	\$563
PR5505-18	8.0	8,192	896.2	1	GCE15	26.5W x 16D x 5H	37	\$903
PR5505-18A	8.0	5,408	300.3	1	GCE9	26.5W x 10D x 5H	23	\$604
PR5505-19	6.0	12,150	1857.5	1	GCE18	28W x 10D x 10H	49	\$1,164
PR5505-19A	6.0	7,776	1086.2	1	GCE15	26.5W x 16D x 5H	37	\$986
PR5505-20	5.0	12,500	2775.4	1	GCE24	28W x 13D x 10H	62	\$1,331
PR5505-20A	5.0	8,000	1412.1	1	GCE15	26.5W x 16D x 5H	39	\$986
PR5505-21	4.0	14,400	3623.6	1	GCE24	28W x 13D x 10H	68	\$1,331
PR5505-21A	4.0	10,000	2378.9	1	GCE18	28W x 10D x 10H	53	\$1,164
PR5510-1	956	300	1.5	1	GCE1	12W x 5D x 5H	7	\$144
PR5510-1A	956	300	1.5	1	GCE1	12W x 5D x 5H	7	\$144
PR5510-1-CR	956	150	0.0	1	CR150	9W x 1.5D x 0.75H	1	\$67
PR5510-1A-CR	956	100	0.0	1	CR100	6W x 1.5D x 0.75H	1	\$56
PR5510-2	695	300	1.5	1	GCE1	12W x 5D x 5H	7	\$144
PR5510-2A	695	300	1.5	1	GCE1	12W x 5D x 5H	7	\$144
PR5510-2-CR	695	200	2.4	1	CR200	6W x 3D x 1.5H	2	\$78
PR5510-2A-CR	695	150	0.4	1	CR150	9W x 1.5D x 0.75H	1	\$67
PR5510-3	546	300	5.7	1	GCE1	12W x 5D x 5H	7	\$144
PR5510-3A	546	300	5.7	1	GCE1	12W x 5D x 5H	7	\$144
PR5510-3-CR	546	300	5.0	1	CR300	9W x 3D x 1.5H	3	\$90
PR5510-3A-CR	546	200	1.9	1	CR200	6W x 3D x 1.5H	2	\$78
PR5510-4	364	400	18.7	1	GCE1	12W x 5D x 5H	7	\$120
PR5510-4A	364	300	3.8	1	GCE1	12W x 5D x 5H	7	\$144
PR5510-4-CR	364	400	8.3	1	CR400	12W x 3D x 1.5H	4	\$112
PR5510-4A-CR	364	300	3.3	1	CR300	9W x 3D x 1.5H	3	\$90
PR5510-5	283	800	14.5	1	GCE2	12W x 7D x 5H	9	\$194
PR5510-5A	283	300	7.4	1	GCE1	12W x 5D x 5H	7	\$144
PR5510-5A-CR	283	400	6.4	1	CR400	12W x 3D x 1.5H	4	\$112
PR5510-6	196	800	10.1	1	GCE2	12W x 7D x 5H	9	\$194
PR5510-6A	196	800	10.1	1	GCE2	12W x 7D x 5H	9	\$194
PR5510-7	125	1,200	24.9	1	GCE3	12W x 10D x 5H	13	\$255
PR5510-7A	125	800	18.1	1	GCE2	12W x 7D x 5H	9	\$194
PR5510-8	85	1,600	76.3	1	GCE4	12W x 13D x 5H	16	\$317
PR5510-8A	85	1,200	48.4	1	GCE3	12W x 10D x 5H	13	\$255
PR5510-9	70	2,000	89.7	1	GCE5	12W x 16D x 5H	18	\$378
PR5510-9A	70	1,200	39.9	1	GCE3	12W x 10D x 5H	13	\$255
PR5510-10	45	2,800	202.0	1	GCE8	19W x 13D x 5H	24	\$501
PR5510-10A	45	2,000	129.0	1	GCE5	12W x 16D x 5H	18	\$378
PR5510-11	35	3,600	392.7	1	GCE9	26.5W x 10D x 5H	27	\$600
PR5510-11A	35	2,800	242.3	1	GCE8	19W x 13D x 5H	24	\$501
PR5510-12	28	4,800	501.8	1	GCE12	26.5W x 13D x 5H	33	\$760
PR5510-12A	28	3,200	307.7	1	GCE8	19W x 13D x 5H	25	\$539
PR5510-13	24	5,600	429.7	1	GCE15	26.5W x 16D x 5H	38	\$860
PR5510-13A	24	3,600	431.3	1	GCE9	26.5W x 10D x 5H	27	\$600
PR5510-14	19.0	7,600	272.6	1	GCE15	26.5W x 16D x 5H	33	\$835
PR5510-14A	19.0	4,864	207.2	1	GCE9	26.5W x 10D x 5H	25	\$604
PR5510-15	15.0	10,140	600.6	1	GCE18	28W x 10D x 10H	39	\$1,064
PR5510-15A	15.0	6,000	218.1	1	GCE12	26.5W x 13D x 5H	28	\$710
PR5510-16	12.0	10,092	1048.1	1	GCE24	28W x 13D x 10H	49	\$1,213
PR5510-16A	12.0	6,348	376.1	1	GCE12	26.5W x 13D x 5H	31	\$765
PR5510-17	10.0	12,960	1738.0	1	GCE24	28W x 13D x 10H	55	\$1,461
PR5510-17A	10.0	8,410	898.4	1	GCE18	28W x 10D x 10H	41	\$1,064
PR5510-18	8.0	16,200	2786.2	1	GCE30	28W x 16D x 10H	70	\$1,628
PR5510-18A	8.0	10,368	1303.5	1	GCE18	28W x 10D x 10H	44	\$1,164

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Resistor P/N	Ohms	Watts	kW-s	Encl Qty	Encl P/N	Dimensions	Weight (lbs)	List Price
PR5510-19	6.0	21,600	5176.5	1	GCE30	28W x 16D x 10H	89	\$1,758
PR5510-19A	6.0	15,000	3171.8	1	GCE24	28W x 13D x 10H	67	\$1,461
PR5510-20	5.0	28,000	6865.2	1	ED2	30W x 18D x 16H	117	\$2,374
PR5510-20A	5.0	18,000	4658.9	1	GCE30	28W x 16D x 10H	84	\$1,628
PR5510-21	4.0	32,400	5255.3	1	ED3	30W x 18D x 24H	133	\$3,125
PR5510-21A	4.0	19,600	5492.2	1	ED2	30W x 18D x 16H	101	\$2,004
PR552-1	956	300	1.5	1	GCE1	12W x 5D x 5H	7	\$144
PR552-1A	956	300	1.5	1	GCE1	12W x 5D x 5H	7	\$144
PR552-1-CR	956	300	3.4	1	CR300	9W x 3D x 1.5H	3	\$90
PR552-1A-CR	956	200	1.4	1	CR200	6W x 3D x 1.5H	2	\$78
PR552-2	695	300	1.5	1	GCE1	12W x 5D x 5H	7	\$144
PR552-2A	695	300	1.5	1	GCE1	12W x 5D x 5H	7	\$144
PR552-2-CR	695	400	6.4	1	CR400	12W x 3D x 1.5H	4	\$112
PR552-2A-CR	695	300	2.4	1	CR300	9W x 3D x 1.5H	3	\$90
PR552-3	546	800	28.0	1	GCE2	12W x 7D x 5H	9	\$194
PR552-3A	546	300	5.7	1	GCE1	12W x 5D x 5H	7	\$144
PR552-3A-CR	546	400	5.0	1	CR400	12W x 3D x 1.5H	4	\$112
PR552-4	364	800	18.7	1	GCE2	12W x 7D x 5H	9	\$194
PR552-4A	364	300	3.8	1	GCE1	12W x 5D x 5H	7	\$144
PR552-5	283	800	14.5	1	GCE2	12W x 7D x 5H	9	\$194
PR552-5A	283	800	14.5	1	GCE2	12W x 7D x 5H	9	\$194
PR552-6	196	1,200	28.4	1	GCE3	12W x 10D x 5H	13	\$255
PR552-6A	196	800	10.1	1	GCE2	12W x 7D x 5H	9	\$194
PR552-7	125	1,600	44.5	1	GCE4	12W x 13D x 5H	16	\$317
PR552-7A	125	1,200	24.9	1	GCE3	12W x 10D x 5H	13	\$255
PR552-8	85	2,400	109.0	1	GCE6	19W x 10D x 5H	20	\$439
PR552-8A	85	1,600	76.3	1	GCE4	12W x 13D x 5H	16	\$317
PR552-9	70	2,800	143.6	1	GCE8	19W x 13D x 5H	24	\$501
PR552-9A	70	2,000	89.7	1	GCE5	12W x 16D x 5H	18	\$378
PR552-10	45	4,400	504.7	1	GCE12	26.5W x 13D x 5H	32	\$723
PR552-10A	45	3,200	199.5	1	GCE8	19W x 13D x 5H	25	\$539
PR552-11	35	5,600	628.2	1	GCE15	26.5W x 16D x 5H	38	\$860
PR552-11A	35	4,000	384.6	1	GCE10	19W x 16D x 5H	30	\$661
PR552-12	28	9,072	330.0	1	GCE18	28W x 10D x 10H	43	\$1,064
PR552-12A	28	4,800	501.8	1	GCE12	26.5W x 13D x 5H	33	\$760
PR552-13	24	9,600	383.2	1	GCE18	28W x 10D x 10H	43	\$1,064
PR552-13A	24	7,776	275.0	1	GCE15	26.5W x 16D x 5H	36	\$903
PR552-14	19.0	12,844	800.8	1	GCE24	28W x 13D x 10H	48	\$1,327
PR552-14A	19.0	10,051	564.1	1	GCE18	28W x 10D x 10H	43	\$1,064
PR552-15	15.0	15,360	1613.1	1	GCE30	28W x 16D x 10H	63	\$1,477
PR552-15A	15.0	12,615	1197.9	1	GCE24	28W x 13D x 10H	51	\$1,327
PR552-16	12.0	19,200	3595.7	1	ED2	30W x 18D x 16H	94	\$2,330
PR552-16A	12.0	12,288	1433.8	1	GCE24	28W x 13D x 10H	55	\$1,327
PR552-17	10.0	25,000	5328.3	1	ED3	30W x 18D x 24H	126	\$2,623
PR552-17A	10.0	16,000	2824.2	1	GCE30	28W x 16D x 10H	70	\$1,758
PR552-18	8.0	39,200	10984.4	1	ED3	30W x 18D x 24H	178	\$3,678
PR552-18A	8.0	28,800	7322.9	1	ED3	30W x 18D x 24H	142	\$2,724
PR552-19	6.0	38,400	6392.4	1	ED4	30W x 18D x 32H	168	\$4,068
PR552-19A	6.0	29,400	8238.3	1	ED2	30W x 18D x 16H	132	\$2,745
PR552-20	5.0	50,000	11217.5	1	ED5	30W x 18D x 40H	236	\$4,966
PR552-20A	5.0	36,125	11352.0	1	ED3	30W x 18D x 24H	184	\$3,801
PR552-21A	4.0	40,000	8974.0	1	ED4	30W x 18D x 32H	190	\$4,068
PR552-21	4.0	57,000	14645.8	1	ED5	30W x 18D x 40H	260	\$4,966
PR555-1	956	300	10.0	1	GCE2	12W x 7D x 5H	10	\$242
PR555-1A	956	300	10.0	1	GCE2	12W x 7D x 5H	10	\$242
PR555-1A-CR	956	400	3.4	1	CR400	12W x 3D x 1.5H	4	\$112
PR555-2	695	300	7.3	1	GCE2	12W x 7D x 5H	10	\$242
PR555-2A	695	300	7.3	1	GCE2	12W x 7D x 5H	10	\$242
PR555-3	546	1,200	28.0	1	GCE3	12W x 10D x 5H	13	\$255
PR555-3A	546	800	28.0	1	GCE2	12W x 7D x 5H	9	\$194
PR555-4	364	1,600	18.7	1	GCE4	12W x 13D x 5H	16	\$317
PR555-4A	364	1,200	18.7	1	GCE3	12W x 10D x 5H	13	\$255
PR555-5	283	2,000	41.0	1	GCE5	12W x 16D x 5H	18	\$378
PR555-5A	283	1,200	14.5	1	GCE3	12W x 10D x 5H	13	\$255
PR555-6	196	2,400	69.8	1	GCE6	19W x 10D x 5H	20	\$439
PR555-6A	196	1,600	39.1	1	GCE4	12W x 13D x 5H	16	\$317
PR555-7	125	4,000	267.1	1	GCE10	19W x 16D x 5H	30	\$661
PR555-7A	125	2,800	112.2	1	GCE8	19W x 13D x 5H	24	\$501
PR555-8	85	5,600	381.3	1	GCE15	26.5W x 16D x 5H	38	\$860
PR555-8A	85	3,600	174.3	1	GCE9	26.5W x 10D x 5H	27	\$600
PR555-9	70	7,200	785.5	1	GCE18	28W x 10D x 10H	47	\$1,058

All resistors assemblies come mounted in a screened guarded enclosure and include a prewired terminal block and a normally closed thermal switch.

For outdoor enclosures add 10% to the price and -W to the part number. The standard enclosure finish is mill galvanized, however other finishes are available. Consult factory.

Resistor P/N	Ohms	Watts	kW-s	Encl Qty	Encl P/N	Dimensions	Weight (lbs)	List Price
PR555-9A	70	4,800	309.8	1	GCE12	26.5W x 13D x 5H	33	\$760
PR555-10	45	14,580	495.0	1	GCE30	28W x 16D x 10H	61	\$1,477
PR555-10A	45	7,200	807.7	1	GCE18	28W x 10D x 10H	47	\$1,058
PR555-11	35	18,515	940.2	1	GCE30	28W x 16D x 10H	64	\$1,591
PR555-11A	35	11,340	385.0	1	GCE24	28W x 13D x 10H	51	\$1,213
PR555-12	28	18,928	1132.8	1	ED2	30W x 18D x 16H	74	\$1,962
PR555-12A	28	14,812	752.2	1	GCE24	28W x 13D x 10H	54	\$1,327
PR555-13	24	20,184	1906.4	1	ED2	30W x 18D x 16H	81	\$2,142
PR555-13A	24	16,224	900.9	1	GCE30	28W x 16D x 10H	55	\$1,477
PR555-14	19.0	30,400	5393.6	1	ED3	30W x 18D x 24H	137	\$3,427
PR555-14A	19.0	19,456	2028.4	1	ED2	30W x 18D x 16H	83	\$1,962
PR555-15	15.0	37,500	7571.8	1	ED3	30W x 18D x 24H	156	\$3,427
PR555-15A	15.0	24,000	4195.0	1	ED3	30W x 18D x 24H	119	\$2,824
PR555-16	12.0	43,200	10984.4	1	ED4	30W x 18D x 32H	201	\$3,867
PR555-16A	12.0	30,000	6450.0	1	ED3	30W x 18D x 24H	141	\$3,025
PR555-17	10.0	51,840	6146.6	1	ED6	30W x 18D x 48H	212	\$5,063
PR555-17A	10.0	36,000	8787.5	1	ED3	30W x 18D x 24H	159	\$3,125
PR555-18	8.0	80,000	15704.4	1	ED7	30W x 18D x 56H	327	\$6,776
PR555-18A	8.0	57,800	19071.4	1	ED5	30W x 18D x 40H	302	\$6,134
PR555-19A	6.0	60,000	12900.1	1	ED6	30W x 18D x 48H	274	\$5,665
PR555-19	6.0	86,400	21968.7	1	ED8	30W x 18D x 64H	394	\$7,285
PR555-20	5.0	112,500	24398.0	1	ED10	30W x 18D x 80H	487	\$10,211
PR555-21	4.0	160,000	55208.9	2	ED7	30W x 18D x 56H	810	\$14,648

TYPE AK-R2 CROSS REFERENCE

AB P/N	Powerohm P/N	Ohms	Watts	kW-s	Encl Qty	Encl P/N	Dimensions	Weight (lbs)	List Price
AK-R2-091P500	PRCR91R200W-NC	91	200	5.7	1	CR200-NC	6W x 3D x 1.5H	2	\$94
AK-R2-047P500	PRCR47R200W-NC	47	200	6.8	1	CR200-NC	6W x 3D x 1.5H	2	\$94
AK-R2-030P1K2	PRCR30R400W-NC	30	400	18.2	1	CR400-NC	12W x 3D x 1.5H	4	\$126
AK-R2-360P500	PRCR360R200W-NC	360	200	0.7	1	CR200-NC	6W x 3D x 1.5H	2	\$94
AK-R2-120P1K2	PRCR120R400W-NC	120	400	16.4	1	CR400-NC	12W x 3D x 1.5H	4	\$126

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PF CR PART NUMBER INDEX

Resistor P/N	Ohms	Watts	kW-s	Encl Qty	Encl P/N	Dimensions	Weight (lbs)	List Price
PFCR150R400W	150	400	14.6	1	CR400	12W x 3D x 1.5H	4	\$112
PFCR150R300W	150	300	9.2	1	CR300	9W x 3D x 1.5H	3	\$90
PFCR150R200W	150	200	4.3	1	CR200	6W x 3D x 1.5H	2	\$78
PFCR150R150W	150	150	1.5	1	CR150	9W x 1.5D x 0.75H	1.5	\$67
PFCR150R100W	150	100	0.7	1	CR100	6W x 1.5D x 0.75H	1	\$56
PFCR125R400W	125	400	16.4	1	CR400	12W x 3D x 1.5H	4	\$112
PFCR125R300W	125	300	10.3	1	CR300	9W x 3D x 1.5H	3	\$90
PFCR125R200W	125	200	5.3	1	CR200	6W x 3D x 1.5H	2	\$78
PFCR125R150W	125	150	1.7	1	CR150	9W x 1.5D x 0.75H	1.5	\$67
PFCR125R100W	125	100	0.8	1	CR100	6W x 1.5D x 0.75H	1	\$56
PFCR100R400W	100	400	19.3	1	CR400	12W x 3D x 1.5H	4	\$112
PFCR100R300W	100	300	11.0	1	CR300	9W x 3D x 1.5H	3	\$90
PFCR100R200W	100	200	5.3	1	CR200	6W x 3D x 1.5H	2	\$78
PFCR100R150W	100	150	1.7	1	CR150	9W x 1.5D x 0.75H	1.5	\$67
PFCR100R100W	100	100	0.9	1	CR100	6W x 1.5D x 0.75H	1	\$56
PFCR85R400W	85	400	18.3	1	CR400	12W x 3D x 1.5H	4	\$112
PFCR85R300W	85	300	11.6	1	CR300	9W x 3D x 1.5H	3	\$90
PFCR85R200W	85	200	5.7	1	CR200	6W x 3D x 1.5H	2	\$78
PFCR85R150W	85	150	1.8	1	CR150	9W x 1.5D x 0.75H	1.5	\$67
PFCR85R100W	85	100	0.8	1	CR100	6W x 1.5D x 0.75H	1	\$56
PFCR80R400W	80	400	18.3	1	CR400	12W x 3D x 1.5H	4	\$112
PFCR80R300W	80	300	11.6	1	CR300	9W x 3D x 1.5H	3	\$90
PFCR80R200W	80	200	5.7	1	CR200	6W x 3D x 1.5H	2	\$78
PFCR80R150W	80	150	1.8	1	CR150	9W x 1.5D x 0.75H	1.5	\$67
PFCR80R100W	80	100	0.8	1	CR100	6W x 1.5D x 0.75H	1	\$56
PFCR70R300W	70	300	12.2	1	CR300	9W x 3D x 1.5H	3	\$90
PFCR70R150W	70	150	1.9	1	CR150	9W x 1.5D x 0.75H	1.5	\$67
PFCR65R400W	65	400	20.5	1	CR400	12W x 3D x 1.5H	4	\$112
PFCR65R300W	65	300	12.8	1	CR300	9W x 3D x 1.5H	3	\$90
PFCR65R200W	65	200	6.0	1	CR200	6W x 3D x 1.5H	2	\$78
PFCR65R150W	65	150	2.0	1	CR150	9W x 1.5D x 0.75H	1.5	\$67
PFCR65R100W	65	100	2.9	1	CR100	6W x 1.5D x 0.75H	1	\$56
PFCR60R400W	60	400	20.6	1	CR400	12W x 3D x 1.5H	4	\$112
PFCR60R200W	60	200	6.4	1	CR200	6W x 3D x 1.5H	2	\$78
PFCR60R150W	60	150	2.0	1	CR150	9W x 1.5D x 0.75H	1.5	\$67
PFCR60R100W	60	100	1.0	1	CR100	6W x 1.5D x 0.75H	1	\$56
PFCR55R300W	55	300	12.9	1	CR300	9W x 3D x 1.5H	3	\$90
PFCR55R150W	55	150	2.0	1	CR150	9W x 1.5D x 0.75H	1.5	\$67
PFCR52R400W	52	400	20.7	1	CR400	12W x 3D x 1.5H	4	\$112
PFCR52R300W	52	300	13.0	1	CR300	9W x 3D x 1.5H	3	\$90
PFCR52R150W	52	150	2.0	1	CR150	9W x 1.5D x 0.75H	1.5	\$67
PFCR52R100W	52	100	1.0	1	CR100	6W x 1.5D x 0.75H	1	\$56
PFCR48R200W	48	200	6.8	1	CR200	6W x 3D x 1.5H	2	\$78
PFCR48R100W	48	100	1.0	1	CR100	6W x 1.5D x 0.75H	1	\$56
PFCR44R400W	44	400	23.2	1	CR400	12W x 3D x 1.5H	4	\$112
PFCR44R300W	44	300	14.6	1	CR300	9W x 3D x 1.5H	3	\$90
PFCR44R200W	44	200	6.8	1	CR200	6W x 3D x 1.5H	2	\$78
PFCR44R100W	44	100	1.1	1	CR100	6W x 1.5D x 0.75H	1	\$56
PFCR40R400W	40	400	23.2	1	CR400	12W x 3D x 1.5H	4	\$112
PFCR40R300W	40	300	14.6	1	CR300	9W x 3D x 1.5H	3	\$90
PFCR40R200W	40	200	6.8	1	CR200	6W x 3D x 1.5H	2	\$78
PFCR36R300W	36	300	15.4	1	CR300	9W x 3D x 1.5H	3	\$90
PFCR36R200W	36	200	7.6	1	CR200	6W x 3D x 1.5H	2	\$78
PFCR36R150W	36	150	2.4	1	CR150	9W x 1.5D x 0.75H	1.5	\$67
PFCR36R100W	36	100	1.2	1	CR100	6W x 1.5D x 0.75H	1	\$56
PFCR32R300W	32	300	15.4	1	CR300	9W x 3D x 1.5H	3	\$90
PFCR32R150W	32	150	2.4	1	CR150	9W x 1.5D x 0.75H	1.5	\$67
PFCR32R100W	32	100	1.2	1	CR100	6W x 1.5D x 0.75H	1	\$56
PFCR28R150W	28	150	2.6	1	CR150	9W x 1.5D x 0.75H	1.5	\$67
PFCR28R100W	28	100	3.6	1	CR100	6W x 1.5D x 0.75H	1	\$56
PFCR25R150W	25	150	2.8	1	CR150	9W x 1.5D x 0.75H	1.5	\$67
PFCR25R100W	25	100	1.3	1	CR100	6W x 1.5D x 0.75H	1	\$56
PFCR23R200W	23	200	8.6	1	CR200	6W x 3D x 1.5H	2	\$78
PFCR23R100W	23	100	1.4	1	CR100	6W x 1.5D x 0.75H	1	\$56
PFCR21R200W	21	200	9.0	1	CR200	6W x 3D x 1.5H	2	\$78
PFCR21R100W	21	100	1.4	1	CR100	6W x 1.5D x 0.75H	1	\$56
PFCR19R200W	19	200	9.5	1	CR200	6W x 3D x 1.5H	2	\$78
PFCR19R150W	19	150	2.9	1	CR150	9W x 1.5D x 0.75H	1.5	\$67
PFCR19R100W	19	100	1.5	1	CR100	6W x 1.5D x 0.75H	1	\$56
PFCR13R150W	13	150	3.3	1	CR150	9W x 1.5D x 0.75H	1.5	\$67

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PF PART NUMBER INDEX

Resistor P/N	Ohms	Watts	kW-s	Encl Qty	Encl P/N	Dimensions	Weight (lbs)	List Price
PF150R5K60	150	5,600	329.1	1	GCE15	26.5W x 16D x 5H	38	\$860
PF150R5K20	150	5,200	333.3	1	GCE15	26.5W x 16D x 5H	37	\$822
PF150R4K00	150	4,000	192.3	1	GCE10	19W x 16D x 5H	30	\$661
PF150R3K60	150	3,600	196.2	1	GCE9	26.5W x 10D x 5H	27	\$600
PF150R3K20	150	3,200	136.4	1	GCE8	19W x 13D x 5H	25	\$539
PF150R2K80	150	2,800	131.9	1	GCE8	19W x 13D x 5H	24	\$501
PF150R2K40	150	2,400	82.4	1	GCE6	19W x 10D x 5H	20	\$439
PF150R2K00	150	2,000	53.4	1	GCE5	12W x 16D x 5H	18	\$378
PF150R1K60	150	1,600	54.1	1	GCE4	12W x 13D x 5H	16	\$317
PF150R1K20	150	1,200	29.9	1	GCE3	12W x 10D x 5H	13	\$255
PF150R800W	150	800	12.0	1	GCE2	12W x 7D x 5H	9	\$194
PF150R400W	150	400	7.7	1	GCE1	12W x 5D x 5H	7	\$120
PF125R7K60	125	7,600	344.5	1	GCE24	28W x 13D x 10H	53	\$1,131
PF125R7K20	125	7,200	341.2	1	GCE18	28W x 10D x 10H	47	\$1,058
PF125R4K00	125	4,000	277.8	1	GCE10	19W x 16D x 5H	30	\$661
PF125R3K60	125	3,600	161.5	1	GCE9	26.5W x 10D x 5H	27	\$600
PF125R2K00	125	2,000	68.7	1	GCE5	12W x 16D x 5H	18	\$378
PF125R1K60	125	1,600	44.2	1	GCE4	12W x 13D x 5H	16	\$317
PF125R1K20	125	1,200	25.1	1	GCE3	12W x 10D x 5H	13	\$255
PF125R800W	125	800	18.2	1	GCE2	12W x 7D x 5H	9	\$194
PF125R400W	125	400	6.4	1	GCE1	12W x 5D x 5H	7	\$120
PF100R9K20	100	9,200	676.2	1	GCE24	28W x 13D x 10H	57	\$1,281
PF100R8K00	100	8,000	692.3	1	GCE24	28W x 13D x 10H	54	\$1,168
PF100R6K80	100	6,800	450.1	1	GCE18	28W x 10D x 10H	46	\$1,020
PF100R5K60	100	5,600	273.1	1	GCE15	26.5W x 16D x 5H	38	\$860
PF100R5K20	100	5,200	275.0	1	GCE15	26.5W x 16D x 5H	37	\$822
PF100R4K80	100	4,800	285.4	1	GCE12	26.5W x 13D x 5H	33	\$760
PF100R4K00	100	4,000	205.1	1	GCE10	19W x 16D x 5H	30	\$661
PF100R3K60	100	3,600	211.5	1	GCE9	26.5W x 10D x 5H	27	\$600
PF100R2K80	100	2,800	125.6	1	GCE8	19W x 13D x 5H	24	\$501
PF100R2K40	100	2,400	130.8	1	GCE6	19W x 10D x 5H	20	\$439
PF100R2K00	100	2,000	89.7	1	GCE5	12W x 16D x 5H	18	\$378
PF100R1K60	100	1,600	54.9	1	GCE4	12W x 13D x 5H	16	\$317
PF100R1K20	100	1,200	35.3	1	GCE3	12W x 10D x 5H	13	\$255
PF100R800W	100	800	19.9	1	GCE2	12W x 7D x 5H	9	\$194
PF100R400W	100	400	5.1	1	GCE1	12W x 5D x 5H	7	\$120
PF85R11K2	85	11,200	923.1	1	GCE30	28W x 16D x 10H	68	\$1,505
PF85R10K0	85	10,000	934.1	1	GCE30	28W x 16D x 10H	64	\$1,392
PF85R7K20	85	7,200	578.5	1	GCE18	28W x 10D x 10H	47	\$1,058
PF85R6K80	85	6,800	588.5	1	GCE18	28W x 10D x 10H	46	\$1,020
PF85R5K60	85	5,600	383.2	1	GCE15	26.5W x 16D x 5H	38	\$860
PF85R5K20	85	5,200	379.2	1	GCE15	26.5W x 16D x 5H	37	\$822
PF85R3K60	85	3,600	173.5	1	GCE9	26.5W x 10D x 5H	27	\$600
PF85R2K80	85	2,800	179.5	1	GCE8	19W x 13D x 5H	24	\$501
PF85R2K00	85	2,000	109.0	1	GCE5	12W x 16D x 5H	18	\$378
PF85R1K60	85	1,600	75.4	1	GCE4	12W x 13D x 5H	16	\$317
PF85R1K20	85	1,200	46.2	1	GCE3	12W x 10D x 5H	13	\$255
PF85R800W	85	800	17.2	1	GCE2	12W x 7D x 5H	9	\$194
PF85R400W	85	400	6.8	1	GCE1	12W x 5D x 5H	7	\$120
PF80R8K00	80	8,000	897.4	1	GCE24	28W x 13D x 10H	54	\$1,168
PF80R7K60	80	7,600	545.6	1	GCE24	28W x 13D x 10H	53	\$1,131
PF80R4K00	80	4,000	229.3	1	GCE10	19W x 16D x 5H	30	\$661
PF80R2K00	80	2,000	102.6	1	GCE5	12W x 16D x 5H	18	\$378
PF80R1K20	80	1,200	44.5	1	GCE3	12W x 10D x 5H	13	\$255
PF80R800W	80	800	16.0	1	GCE2	12W x 7D x 5H	9	\$194
PF80R400W	80	400	6.4	1	GCE1	12W x 5D x 5H	7	\$120
PF70R9K60	70	9,600	1249.2	1	GCE24	28W x 13D x 10H	59	\$1,319
PF70R4K80	70	4,800	308.3	1	GCE12	26.5W x 13D x 5H	33	\$760
PF70R2K40	70	2,400	153.8	1	GCE6	19W x 10D x 5H	20	\$439
PF70R1K20	70	1,200	61.9	1	GCE3	12W x 10D x 5H	13	\$255
PF70R800W	70	800	24.9	1	GCE2	12W x 7D x 5H	9	\$194
PF70R400W	70	400	5.6	1	GCE1	12W x 5D x 5H	7	\$120
PF65R16K6	65	16,640	690.8	1	GCE30	28W x 16D x 10H	64	\$1,591
PF65R7K60	65	7,600	709.9	1	GCE24	28W x 13D x 10H	53	\$1,131
PF65R7K20	65	7,200	712.1	1	GCE18	28W x 10D x 10H	47	\$1,058
PF65R4K00	65	4,000	291.7	1	GCE10	19W x 16D x 5H	30	\$661
PF65R3K60	65	3,600	178.0	1	GCE9	26.5W x 10D x 5H	27	\$600
PF65R2K40	65	2,400	141.0	1	GCE6	19W x 10D x 5H	20	\$439
PF65R2K00	65	2,000	138.9	1	GCE5	12W x 16D x 5H	18	\$378
PF65R1K20	65	1,200	59.2	1	GCE3	12W x 10D x 5H	13	\$255
PF65R800W	65	800	23.5	1	GCE2	12W x 7D x 5H	9	\$194

All resistors assemblies come mounted in a screened guarded enclosure and include a prewired terminal block and a normally closed thermal switch.

For outdoor enclosures add 10% to the price and -W to the part number. The standard enclosure finish is mill galvanized, however other finishes are available. Consult factory.

Resistor P/N	Ohms	Watts	kW-s	Encl Qty	Encl P/N	Dimensions	Weight (lbs)	List Price
PF65R400W	65	400	9.4	1	GCE1	12W x 5D x 5H	7	\$120
PF60R15K8	60	15,896	690.8	1	GCE30	28W x 16D x 10H	64	\$1,591
PF60R8K00	60	8,000	659.3	1	GCE24	28W x 13D x 10H	54	\$1,168
PF60R4K00	60	4,000	269.2	1	GCE10	19W x 16D x 5H	30	\$661
PF60R2K00	60	2,000	128.2	1	GCE5	12W x 16D x 5H	18	\$378
PF60R800W	60	800	21.4	1	GCE2	12W x 7D x 5H	9	\$194
PF60R400W	60	400	8.7	1	GCE1	12W x 5D x 5H	7	\$120
PF55R800W	55	800	30.8	1	GCE2	12W x 7D x 5H	9	\$194
PF55R400W	55	400	8.0	1	GCE1	12W x 5D x 5H	7	\$120
PF52R18K6	52	18,625	583.5	1	ED2	30W x 18D x 16H	70	\$1,872
PF52R13K3	52	13,312	621.7	1	GCE30	28W x 16D x 10H	61	\$1,477
PF52R9K60	52	9,600	598.4	1	GCE24	28W x 13D x 10H	59	\$1,319
PF52R6K00	52	6,000	576.9	1	GCE15	26.5W x 16D x 5H	39	\$897
PF52R5K60	52	5,600	569.2	1	GCE15	26.5W x 16D x 5H	38	\$860
PF52R4K80	52	4,800	352.8	1	GCE12	26.5W x 13D x 5H	33	\$760
PF52R3K20	52	3,200	233.3	1	GCE8	19W x 13D x 5H	25	\$539
PF52R2K80	52	2,800	142.3	1	GCE8	19W x 13D x 5H	24	\$501
PF52R2K40	52	2,400	149.6	1	GCE6	19W x 10D x 5H	20	\$439
PF52R1K60	52	1,600	111.1	1	GCE4	12W x 13D x 5H	16	\$317
PF52R1K20	52	1,200	65.4	1	GCE3	12W x 10D x 5H	13	\$255
PF52R800W	52	800	28.6	1	GCE2	12W x 7D x 5H	9	\$194
PF52R400W	52	400	10.4	1	GCE1	12W x 5D x 5H	7	\$120
PF48R3K60	48	3,600	86.2	1	GCE9	26.5W x 10D x 5H	27	\$600
PF48R2K00	48	2,000	98.5	1	GCE5	12W x 16D x 5H	18	\$378
PF48R1K20	48	1,200	61.5	1	GCE3	12W x 10D x 5H	13	\$255
PF48R800W	48	800	26.4	1	GCE2	12W x 7D x 5H	9	\$194
PF48R400W	48	400	9.6	1	GCE1	12W x 5D x 5H	7	\$120
PF44R23K2	44	23,276	1263.6	1	ED3	30W x 18D x 24H	94	\$2,425
PF44R15K0	44	15,000	495.0	1	GCE30	28W x 16D x 10H	61	\$1,477
PF44R11K2	44	11,264	483.6	1	GCE24	28W x 13D x 10H	51	\$1,213
PF44R7K60	44	7,600	775.4	1	GCE18	28W x 10D x 10H	47	\$1,058
PF44R7K20	44	7,200	793.3	1	GCE18	28W x 10D x 10H	46	\$1,020
PF44R5K60	44	5,600	476.9	1	GCE15	26.5W x 16D x 5H	38	\$860
PF44R4K00	44	4,000	300.9	1	GCE10	19W x 16D x 5H	30	\$661
PF44R3K60	44	3,600	79.0	1	GCE9	26.5W x 10D x 5H	27	\$600
PF44R2K80	44	2,800	197.9	1	GCE8	19W x 13D x 5H	24	\$501
PF44R2K00	44	2,000	126.1	1	GCE5	12W x 16D x 5H	18	\$378
PF44R1K20	44	1,200	57.7	1	GCE3	12W x 10D x 5H	13	\$255
PF44R800W	44	800	39.5	1	GCE2	12W x 7D x 5H	9	\$194
PF44R400W	44	400	8.8	1	GCE1	12W x 5D x 5H	7	\$120
PF40R22K8	40	22,858	1130.6	1	ED2	30W x 18D x 16H	74	\$2,052
PF40R16K0	40	16,000	638.7	1	GCE30	28W x 16D x 10H	64	\$1,591
PF40R11K4	40	11,429	440.0	1	GCE24	28W x 13D x 10H	54	\$1,327
PF40R10K2	40	10,240	414.5	1	GCE18	28W x 10D x 10H	43	\$1,064
PF40R6K00	40	6,000	726.9	1	GCE15	26.5W x 16D x 5H	39	\$897
PF40R4K00	40	4,000	448.7	1	GCE10	19W x 16D x 5H	30	\$661
PF40R3K20	40	3,200	276.9	1	GCE8	19W x 13D x 5H	25	\$539
PF40R2K80	40	2,800	114.3	1	GCE8	19W x 13D x 5H	24	\$501
PF40R2K00	40	2,000	114.6	1	GCE5	12W x 16D x 5H	18	\$378
PF40R1K60	40	1,600	114.6	1	GCE4	12W x 13D x 5H	16	\$317
PF40R1K20	40	1,200	83.3	1	GCE3	12W x 10D x 5H	13	\$255
PF40R800W	40	800	35.9	1	GCE2	12W x 7D x 5H	9	\$194
PF40R400W	40	400	8.0	1	GCE1	12W x 5D x 5H	7	\$120
PF36R19K0	36	19,044	1064.1	1	ED2	30W x 18D x 16H	72	\$1,962
PF36R9K21	36	9,216	414.5	1	GCE18	28W x 10D x 10H	43	\$1,064
PF36R4K40	36	4,400	398.9	1	GCE12	26.5W x 13D x 5H	32	\$723
PF36R4K00	36	4,000	395.6	1	GCE10	19W x 16D x 5H	30	\$661
PF36R2K40	36	2,400	79.1	1	GCE6	19W x 10D x 5H	20	\$439
PF36R2K00	36	2,000	98.9	1	GCE5	12W x 16D x 5H	18	\$378
PF36R1K60	36	1,600	103.2	1	GCE4	12W x 13D x 5H	16	\$317
PF36R1K20	36	1,200	76.9	1	GCE3	12W x 10D x 5H	13	\$255
PF36R800W	36	800	32.3	1	GCE2	12W x 7D x 5H	9	\$194
PF36R400W	36	400	12.8	1	GCE1	12W x 5D x 5H	7	\$120
PF32R27K0	32	27,090	2541.8	1	ED3	30W x 18D x 24H	111	\$2,874
PF32R21K6	32	21,632	1203.6	1	ED2	30W x 18D x 16H	76	\$2,052
PF32R18K2	32	18,286	931.1	1	ED2	30W x 18D x 16H	68	\$1,782
PF32R13K5	32	13,546	510.9	1	GCE24	28W x 13D x 10H	54	\$1,327
PF32R10K3	32	10,368	385.0	1	GCE24	28W x 13D x 10H	51	\$1,213
PF32R9K14	32	9,144	345.4	1	GCE15	26.5W x 16D x 5H	36	\$903
PF32R5K20	32	5,200	583.3	1	GCE15	26.5W x 16D x 5H	37	\$822
PF32R4K80	32	4,800	581.5	1	GCE12	26.5W x 13D x 5H	33	\$760

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Resistor P/N	Ohms	Watts	kW-s	Encl Qty	Encl P/N	Dimensions	Weight (lbs)	List Price
PF32R3K60	32	3,600	102.6	1	GCE9	26.5W x 10D x 5H	27	\$600
PF32R2K80	32	2,800	220.2	1	GCE8	19W x 13D x 5H	24	\$501
PF32R2K40	32	2,400	113.1	1	GCE6	19W x 10D x 5H	20	\$439
PF32R2K00	32	2,000	143.6	1	GCE5	12W x 16D x 5H	18	\$378
PF32R1K60	32	1,600	91.7	1	GCE4	12W x 13D x 5H	16	\$317
PF32R1K20	32	1,200	70.5	1	GCE3	12W x 10D x 5H	13	\$255
PF32R800W	32	800	41.0	1	GCE2	12W x 7D x 5H	9	\$194
PF32R400W	32	400	11.4	1	GCE1	12W x 5D x 5H	7	\$120
PF28R36K2	28	36,288	4609.9	1	ED4	30W x 18D x 32H	153	\$3,867
PF28R30K0	28	30,001	3042.5	1	ED3	30W x 18D x 24H	121	\$2,874
PF28R23K5	28	23,548	2224.1	1	ED3	30W x 18D x 24H	104	\$2,605
PF28R18K9	28	18,928	1132.8	1	ED2	30W x 18D x 16H	74	\$1,962
PF28R15K0	28	15,001	846.2	1	GCE30	28W x 16D x 10H	61	\$1,477
PF28R11K2	28	11,200	447.1	1	GCE24	28W x 13D x 10H	51	\$1,213
PF28R9K07	28	9,072	330.0	1	GCE18	28W x 10D x 10H	43	\$1,064
PF28R7K50	28	7,501	345.4	1	GCE15	26.5W x 16D x 5H	36	\$903
PF28R5K60	28	5,600	320.4	1	GCE15	26.5W x 16D x 5H	37	\$822
PF28R4K40	28	4,400	493.6	1	GCE12	26.5W x 13D x 5H	32	\$723
PF28R4K00	28	4,000	502.6	1	GCE10	19W x 16D x 5H	30	\$661
PF28R2K80	28	2,800	314.1	1	GCE8	19W x 13D x 5H	24	\$501
PF28R2K00	28	2,000	124.0	1	GCE5	12W x 16D x 5H	18	\$378
PF28R1K60	28	1,600	76.9	1	GCE4	12W x 13D x 5H	16	\$317
PF28R1K20	28	1,200	57.2	1	GCE3	12W x 10D x 5H	13	\$255
PF28R800W	28	800	35.9	1	GCE2	12W x 7D x 5H	9	\$194
PF28R400W	28	400	15.4	1	GCE1	12W x 5D x 5H	7	\$120
PF25R55K0	25	55,001	2926.2	1	ED6	30W x 18D x 48H	192	\$5,004
PF25R40K6	25	40,633	1445.5	1	ED4	30W x 18D x 32H	136	\$3,733
PF25R32K4	25	32,400	4148.9	1	ED3	30W x 18D x 24H	129	\$3,427
PF25R25K6	25	25,600	2789.0	1	ED3	30W x 18D x 24H	115	\$2,694
PF25R21K0	25	21,025	2012.3	1	ED3	30W x 18D x 24H	100	\$2,425
PF25R13K7	25	13,751	752.2	1	GCE24	28W x 13D x 10H	54	\$1,327
PF25R10K1	25	10,159	383.2	1	GCE18	28W x 10D x 10H	43	\$1,064
PF25R6K87	25	6,876	276.3	1	GCE12	26.5W x 13D x 5H	31	\$765
PF25R3K20	25	3,200	272.5	1	GCE8	19W x 13D x 5H	25	\$539
PF25R2K80	25	2,800	276.9	1	GCE8	19W x 13D x 5H	24	\$501
PF25R2K40	25	2,400	130.8	1	GCE6	19W x 10D x 5H	20	\$439
PF25R2K00	25	2,000	173.1	1	GCE5	12W x 16D x 5H	18	\$378
PF25R1K60	25	1,600	54.9	1	GCE4	12W x 13D x 5H	16	\$317
PF25R1K20	25	1,200	71.4	1	GCE3	12W x 10D x 5H	13	\$255
PF25R800W	25	800	55.6	1	GCE2	12W x 7D x 5H	9	\$194
PF25R400W	25	400	13.7	1	GCE1	12W x 5D x 5H	7	\$120
PF23R29K8	23	29,808	3841.6	1	ED3	30W x 18D x 24H	124	\$3,226
PF23R15K5	23	15,548	900.9	1	GCE30	28W x 16D x 10H	55	\$1,477
PF23R7K45	23	7,452	275.0	1	GCE15	26.5W x 16D x 5H	36	\$903
PF23R3K60	23	3,600	185.8	1	GCE9	26.5W x 10D x 5H	27	\$600
PF23R2K00	23	2,000	157.3	1	GCE5	12W x 16D x 5H	18	\$378
PF23R1K60	23	1,600	82.6	1	GCE4	12W x 13D x 5H	16	\$317
PF23R1K20	23	1,200	63.5	1	GCE3	12W x 10D x 5H	13	\$255
PF23R800W	23	800	51.3	1	GCE2	12W x 7D x 5H	9	\$194
PF23R400W	23	400	20.6	1	GCE1	12W x 5D x 5H	7	\$120
PF21R70K6	21	70,644	6778.2	1	ED8	30W x 18D x 64H	283	\$7,018
PF21R45K0	21	45,001	2394.2	1	ED5	30W x 18D x 40H	160	\$4,188
PF21R33K6	21	33,600	5992.9	1	ED4	30W x 18D x 32H	162	\$3,867
PF21R22K5	21	22,501	2281.9	1	ED2	30W x 18D x 16H	89	\$2,142
PF21R17K6	21	17,661	1694.6	1	ED2	30W x 18D x 16H	77	\$1,962
PF21R11K2	21	11,251	564.1	1	GCE18	28W x 10D x 10H	43	\$1,064
PF21R8K40	21	8,400	319.3	1	GCE15	26.5W x 16D x 5H	36	\$903
PF21R7K42	21	7,426	234.7	1	GCE15	26.5W x 16D x 5H	33	\$835
PF21R5K62	21	5,626	236.1	1	GCE12	26.5W x 13D x 5H	28	\$710
PF21R4K00	21	4,000	240.7	1	GCE10	19W x 16D x 5H	30	\$661
PF21R3K20	21	3,200	373.3	1	GCE8	19W x 13D x 5H	25	\$539
PF21R2K40	21	2,400	107.7	1	GCE6	19W x 10D x 5H	20	\$439
PF21R2K00	21	2,000	143.6	1	GCE5	12W x 16D x 5H	18	\$378
PF21R1K60	21	1,600	75.4	1	GCE4	12W x 13D x 5H	16	\$317
PF21R1K20	21	1,200	57.7	1	GCE3	12W x 10D x 5H	13	\$255
PF21R800W	21	800	47.0	1	GCE2	12W x 7D x 5H	9	\$194
PF21R400W	21	400	18.8	1	GCE1	12W x 5D x 5H	7	\$120
PF19R77K8	19.0	77,824	8113.4	1	ED8	30W x 18D x 64H	309	\$7,018
PF19R63K9	19.0	63,916	6142.8	1	ED8	30W x 18D x 64H	269	\$6,478
PF19R40K2	19.0	40,204	2128.2	1	ED4	30W x 18D x 32H	136	\$3,733
PF19R30K4	19.0	30,400	5393.6	1	ED3	30W x 18D x 24H	137	\$3,427

All resistors assemblies come mounted in a screened guarded enclosure and include a prewired terminal block and a normally closed thermal switch.

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Resistor P/N	Ohms	Watts	kW-s	Encl Qty	Encl P/N	Dimensions	Weight (lbs)	List Price
PF19R19K4	19.0	19,456	2155.1	1	ED2	30W x 18D x 16H	86	\$2,052
PF19R16K4	19.0	16,425	1497.3	1	GCE30	28W x 16D x 10H	61	\$1,591
PF19R13K6	19.0	13,614	700.7	1	GCE24	28W x 13D x 10H	46	\$1,213
PF19R10K0	19.0	10,051	564.1	1	GCE18	28W x 10D x 10H	43	\$1,064
PF19R8K21	19.0	8,213	272.6	1	GCE15	26.5W x 16D x 5H	33	\$835
PF19R6K71	19.0	6,716	220.0	1	GCE12	26.5W x 13D x 5H	31	\$765
PF19R4K86	19.0	4,864	207.2	1	GCE9	26.5W x 10D x 5H	25	\$604
PF19R3K20	19.0	3,200	344.6	1	GCE8	19W x 13D x 5H	25	\$539
PF19R2K80	19.0	2,800	339.2	1	GCE8	19W x 13D x 5H	24	\$501
PF19R2K00	19.0	2,000	213.1	1	GCE5	12W x 16D x 5H	18	\$378
PF19R1K60	19.0	1,600	68.2	1	GCE4	12W x 13D x 5H	16	\$317
PF19R1K20	19.0	1,200	84.8	1	GCE3	12W x 10D x 5H	13	\$255
PF19R800W	19.0	800	39.0	1	GCE2	12W x 7D x 5H	9	\$194
PF19R400W	19.0	400	17.1	1	GCE1	12W x 5D x 5H	7	\$120
PF15F4R41K6	15.4	41,642	2407.2	1	ED5	30W x 18D x 40H	159	\$4,008
PF15F4R20K2	15.4	20,251	2612.3	1	ED2	30W x 18D x 16H	86	\$2,230
PF15F4R10K4	15.4	10,410	600.6	1	GCE18	28W x 10D x 10H	39	\$1,064
PF15F4R5K06	15.4	5,064	165.0	1	GCE9	26.5W x 10D x 5H	25	\$604
PF15F4R2K40	15.4	2,400	123.1	1	GCE6	19W x 10D x 5H	20	\$439
PF15F4R1K20	15.4	1,200	105.9	1	GCE3	12W x 10D x 5H	13	\$255
PF15F4R800W	15.4	800	42.3	1	GCE2	12W x 7D x 5H	9	\$194
PF13R11K0	13.0	11,000	1048.1	1	GCE24	28W x 13D x 10H	49	\$1,213
PF13R11K0	13.0	11,000	1048.1	1	GCE24	28W x 13D x 10H	49	\$1,213
PF13R11K0	13.0	11,000	1048.1	1	GCE24	28W x 13D x 10H	49	\$1,213
PF13R5K45	13.0	5,457	191.6	1	GCE9	26.5W x 10D x 5H	25	\$604
PF13R2K80	13.0	2,800	238.7	1	GCE8	19W x 13D x 5H	24	\$501
PF13R2K40	13.0	2,400	111.5	1	GCE6	19W x 10D x 5H	20	\$439
PF13R1K60	13.0	1,600	111.1	1	GCE4	12W x 13D x 5H	16	\$317
PF13R800W	13.0	800	58.3	1	GCE2	12W x 7D x 5H	9	\$194
PF13R400W	13.0	400	27.8	1	GCE1	12W x 5D x 5H	7	\$120
PF11F5R110K0	11.5	110,001	11663.1	2	ED6	30W x 18D x 48H	456	\$10,368
PF11F5R59K6	11.5	59,616	7683.2	1	ED7	30W x 18D x 56H	255	\$6,173
PF11F5R31K0	11.5	31,096	1840.8	1	ED4	30W x 18D x 32H	127	\$3,193
PF11F5R24K3	11.5	24,334	1330.1	1	ED3	30W x 18D x 24H	96	\$2,515
PF11F5R18K4	11.5	18,400	3196.2	1	ED2	30W x 18D x 16H	88	\$2,130
PF11F5R14K9	11.5	14,904	1955.2	1	GCE30	28W x 16D x 10H	63	\$1,628
PF11F5R11K7	11.5	11,776	1254.6	1	GCE24	28W x 13D x 10H	52	\$1,213
PF11F5R9K67	11.5	9,672	898.4	1	GCE18	28W x 10D x 10H	41	\$1,064
PF11F5R7K77	11.5	7,774	500.5	1	GCE15	26.5W x 16D x 5H	33	\$903
PF11F5R6K08	11.5	6,084	321.1	1	GCE12	26.5W x 13D x 5H	28	\$710
PF11F5R4K60	11.5	4,600	191.6	1	GCE9	26.5W x 10D x 5H	25	\$604
PF11F5R3K72	11.5	3,726	140.8	1	GCE9	26.5W x 10D x 5H	24	\$563
PF11F5R2K94	11.5	2,944	146.9	1	GCE6	19W x 10D x 5H	19	\$483
PF11F5R2K00	11.5	2,000	206.4	1	GCE5	12W x 16D x 5H	18	\$378
PF11F5R1K60	11.5	1,600	102.6	1	GCE4	12W x 13D x 5H	16	\$317
PF11F5R800W	11.5	800	41.3	1	GCE2	12W x 7D x 5H	9	\$194
PF11F5R400W	11.5	400	25.6	1	GCE1	12W x 5D x 5H	7	\$120
PF10F1R1K20	10.1	1,200	112.1	1	GCE3	12W x 10D x 5H	13	\$255
PF10F1R800W	10.1	800	35.9	1	GCE2	12W x 7D x 5H	9	\$194
PF10F1R400W	10.1	400	20.5	1	GCE1	12W x 5D x 5H	7	\$120
PF9F2R132K2	9.2	132,480	23372.3	2	ED7	30W x 18D x 56H	591	\$14,054
PF9F2R90K0	9.2	90,001	9127.6	1	ED8	30W x 18D x 64H	330	\$7,737
PF9F2R69K6	9.2	69,635	6672.3	1	ED7	30W x 18D x 56H	265	\$6,820
PF9F2R58K8	9.2	58,880	10387.7	1	ED7	30W x 18D x 56H	276	\$6,374
PF9F2R47K6	9.2	47,693	6146.6	1	ED5	30W x 18D x 40H	196	\$4,966
PF9F2R37K6	9.2	37,683	4056.7	1	ED4	30W x 18D x 32H	158	\$3,733
PF9F2R30K9	9.2	30,949	2965.5	1	ED4	30W x 18D x 32H	136	\$3,373
PF9F2R24K8	9.2	24,877	1416.0	1	ED3	30W x 18D x 24H	98	\$2,515
PF9F2R19K4	9.2	19,467	1064.1	1	ED2	30W x 18D x 16H	72	\$1,962
PF9F2R15K0	9.2	15,001	545.2	1	GCE30	28W x 16D x 10H	58	\$1,455
PF9F2R11K9	9.2	11,923	1520.7	1	GCE24	28W x 13D x 10H	52	\$1,331
PF9F2R9K42	9.2	9,421	1075.4	1	GCE18	28W x 10D x 10H	44	\$1,064
PF9F2R7K73	9.2	7,737	748.7	1	GCE15	26.5W x 16D x 5H	35	\$903
PF9F2R6K60	9.2	6,601	341.8	1	GCE12	26.5W x 13D x 5H	29	\$710
PF9F2R4K86	9.2	4,867	282.1	1	GCE9	26.5W x 10D x 5H	25	\$604
PF9F2R3K75	9.2	3,751	135.5	1	GCE6	19W x 10D x 5H	19	\$483
PF9F2R2K98	9.2	2,981	116.7	1	GCE6	19W x 10D x 5H	19	\$483
PF9F2R2K35	9.2	2,355	97.9	1	GCE6	19W x 10D x 5H	17	\$393
PF9F2R2K00	9.2	2,000	161.5	1	GCE5	12W x 16D x 5H	18	\$378
PF9F2R1K60	9.2	1,600	75.5	1	GCE4	12W x 13D x 5H	16	\$317
PF9F2R1K20	9.2	1,200	102.2	1	GCE3	12W x 10D x 5H	13	\$255

All resistors assemblies come mounted in a screened guarded enclosure and include a prewired terminal block and a normally closed thermal switch.

For outdoor enclosures add 10% to the price and -W to the part number. The standard enclosure finish is mill galvanized, however other finishes are available. Consult factory.

Resistor P/N	Ohms	Watts	kW-s	Encl Qty	Encl P/N	Dimensions	Weight (lbs)	List Price
PF9F2R800W	9.2	800	32.3	1	GCE2	12W x 7D x 5H	9	\$194
PF9F2R400W	9.2	400	18.9	1	GCE1	12W x 5D x 5H	7	\$120
PF7R157K7	7.0	157,500	34493.7	2	ED7	30W x 18D x 56H	695	\$14,657
PF7R127K7	7.0	127,575	21021.2	2	ED6	30W x 18D x 48H	515	\$11,732
PF7R110K0	7.0	110,001	17978.7	1	ED10	30W x 18D x 80H	435	\$10,512
PF7R81K6	7.0	81,648	10141.8	1	ED8	30W x 18D x 64H	314	\$7,888
PF7R64K5	7.0	64,512	6845.7	1	ED6	30W x 18D x 48H	250	\$5,904
PF7R55K0	7.0	55,001	5083.7	1	ED6	30W x 18D x 48H	214	\$5,364
PF7R45K0	7.0	45,001	7990.5	1	ED5	30W x 18D x 40H	208	\$4,966
PF7R36K9	7.0	36,912	4609.9	1	ED4	30W x 18D x 32H	153	\$3,867
PF7R28K6	7.0	28,672	3042.5	1	ED3	30W x 18D x 24H	121	\$2,874
PF7R23K5	7.0	23,548	2330.0	1	ED3	30W x 18D x 24H	107	\$2,694
PF7R18K9	7.0	18,928	1132.8	1	ED2	30W x 18D x 16H	74	\$1,962
PF7R14K8	7.0	14,812	802.6	1	GCE30	28W x 16D x 10H	58	\$1,455
PF7R11K2	7.0	11,251	436.2	1	GCE24	28W x 13D x 10H	49	\$1,219
PF7R9K30	7.0	9,307	1303.5	1	GCE18	28W x 10D x 10H	44	\$1,164
PF7R7K38	7.0	7,383	765.0	1	GCE15	26.5W x 16D x 5H	37	\$835
PF7R6K23	7.0	6,240	598.9	1	GCE12	26.5W x 13D x 5H	30	\$765
PF7R4K73	7.0	4,732	300.3	1	GCE9	26.5W x 10D x 5H	23	\$604
PF7R3K70	7.0	3,703	199.5	1	GCE6	19W x 10D x 5H	19	\$483
PF7R2K80	7.0	2,800	107.5	1	GCE6	19W x 10D x 5H	17	\$461
PF7R2K26	7.0	2,268	77.8	1	GCE6	19W x 10D x 5H	17	\$393
PF7R1K79	7.0	1,792	77.8	1	GCE6	19W x 10D x 5H	16	\$379
PF7R1K60	7.0	1,600	76.9	1	GCE4	12W x 13D x 5H	16	\$317
PF7R1K20	7.0	1,200	123.8	1	GCE3	12W x 10D x 5H	13	\$255
PF7R800W	7.0	800	35.9	1	GCE2	12W x 7D x 5H	9	\$194
PF7R400W	7.0	400	19.2	1	GCE1	12W x 5D x 5H	7	\$120
PF6F5R8K42	6.5	8,424	1086.2	1	GCE15	26.5W x 16D x 5H	37	\$986
PF6F5R6K65	6.5	6,656	716.9	1	GCE12	26.5W x 13D x 5H	32	\$765
PF6F5R5K46	6.5	5,467	598.9	1	GCE12	26.5W x 13D x 5H	30	\$765
PF6F5R4K39	6.5	4,394	256.3	1	GCE9	26.5W x 10D x 5H	24	\$563
PF6F5R3K43	6.5	3,439	188.0	1	GCE9	26.5W x 10D x 5H	22	\$490
PF6F5R2K60	6.5	2,600	90.3	1	GCE6	19W x 10D x 5H	17	\$393
PF6F5R2K10	6.5	2,106	92.6	1	GCE6	19W x 10D x 5H	17	\$461
PF5F1R114K4	5.1	114,750	25239.3	1	ED10	30W x 18D x 80H	498	\$10,512
PF5F1R59K4	5.1	59,486	7375.9	1	ED6	30W x 18D x 48H	234	\$5,866
PF5F1R32K6	5.1	32,640	5992.9	1	ED4	30W x 18D x 32H	162	\$3,867
PF5F1R27K5	5.1	27,501	3380.6	1	ED3	30W x 18D x 24H	115	\$2,925
PF5F1R17K1	5.1	17,156	1694.6	1	ED2	30W x 18D x 16H	77	\$1,962
PF5F1R13K7	5.1	13,790	800.8	1	GCE24	28W x 13D x 10H	48	\$1,327
PF5F1R10K7	5.1	10,791	564.1	1	GCE18	28W x 10D x 10H	43	\$1,064
PF5F1R8K16	5.1	8,160	1412.1	1	GCE15	26.5W x 16D x 5H	39	\$986
PF5F1R6K60	5.1	6,610	869.0	1	GCE12	26.5W x 13D x 5H	32	\$832
PF5F1R5K40	5.1	5,408	537.7	1	GCE9	26.5W x 10D x 5H	26	\$604
PF5F1R4K29	5.1	4,290	449.2	1	GCE9	26.5W x 10D x 5H	25	\$604
PF5F1R3K44	5.1	3,448	212.4	1	GCE6	19W x 10D x 5H	19	\$483
PF5F1R2K70	5.1	2,704	158.2	1	GCE6	19W x 10D x 5H	17	\$461
PF5F1R1K60	5.1	1,600	141.2	1	GCE4	12W x 13D x 5H	16	\$317
PF5F1R800W	5.1	800	41.0	1	GCE2	12W x 7D x 5H	9	\$194
PF5F1R400W	5.1	400	35.3	1	GCE1	12W x 5D x 5H	7	\$120
PF4F6R149K9	4.6	149,040	37346.8	2	ED6	30W x 18D x 48H	647	\$12,334
PF4F6R66K2	4.6	66,240	11386.5	1	ED7	30W x 18D x 56H	291	\$6,876
PF4F6R34K8	4.6	34,817	3495.0	1	ED4	30W x 18D x 32H	148	\$3,823
PF4F6R23K8	4.6	23,846	3073.3	1	ED3	30W x 18D x 24H	110	\$2,724
PF4F6R18K8	4.6	18,842	2028.4	1	ED2	30W x 18D x 16H	83	\$1,962
PF4F6R15K6	4.6	15,600	1497.3	1	ED2	30W x 18D x 16H	67	\$1,663
PF4F6R12K4	4.6	12,438	683.6	1	ED1	30W x 18D x 10H	44	\$1,102
PF4F6R9K73	4.6	9,734	564.1	1	GCE18	28W x 10D x 10H	43	\$1,064
PF4F6R7K36	4.6	7,360	1412.1	1	GCE15	26.5W x 16D x 5H	39	\$986
PF4F6R4K71	4.6	4,710	537.7	1	GCE9	26.5W x 10D x 5H	26	\$604
PF4F6R3K86	4.6	3,869	383.5	1	GCE9	26.5W x 10D x 5H	25	\$563
PF4F6R3K12	4.6	3,120	168.5	1	GCE6	19W x 10D x 5H	17	\$461
PF4F6R2K43	4.6	2,433	133.0	1	GCE6	19W x 10D x 5H	17	\$393
PF4F6R1K80	4.6	1,801	71.7	1	GCE6	19W x 10D x 5H	16	\$379
PF4F6R1K62	4.6	1,630	61.7	1	GCE6	19W x 10D x 5H	16	\$379
PF4F6R1K60	4.6	1,600	125.8	1	GCE4	12W x 13D x 5H	16	\$317
PF4F6R1K20	4.6	1,200	53.8	1	GCE3	12W x 10D x 5H	13	\$255
PF4F6R800W	4.6	800	37.7	1	GCE2	12W x 7D x 5H	9	\$194
PF4F6R400W	4.6	400	16.2	1	GCE1	12W x 5D x 5H	7	\$120
PF3F3R214K4	3.3	214,583	70836.5	2	ED9	30W x 18D x 72H	1100	\$21,989
PF3F3R150K0	3.3	150,001	41191.3	1	ED10	30W x 18D x 80H	624	\$12,583

All resistors assemblies come mounted in a screened guarded enclosure and include a prewired terminal block and a normally closed thermal switch.

For outdoor enclosures add 10% to the price and -W to the part number. The standard enclosure finish is mill galvanized, however other finishes are available. Consult factory.

Resistor P/N	Ohms	Watts	kW-s	Encl Qty	Encl P/N	Dimensions	Weight (lbs)	List Price
PF3F3R106K6	3.3	106,920	26362.5	1	ED8	30W x 18D x 64H	446	\$8,490
PF3F3R75K0	3.3	75,001	15984.9	1	ED7	30W x 18D x 56H	331	\$6,876
PF3F3R47K5	3.3	47,520	8390.0	1	ED5	30W x 18D x 40H	214	\$5,167
PF3F3R38K4	3.3	38,491	5070.9	1	ED4	30W x 18D x 32H	161	\$4,168
PF3F3R24K9	3.3	24,978	2541.8	1	ED3	30W x 18D x 24H	111	\$2,874
PF3F3R21K4	3.3	21,489	3595.7	1	ED3	30W x 18D x 24H	110	\$2,523
PF3F3R13K5	3.3	13,517	1530.0	1	GCE30	28W x 16D x 10H	67	\$1,455
PF3F3R11K1	3.3	11,101	1197.9	1	GCE24	28W x 13D x 10H	51	\$1,327
PF3F3R9K25	3.3	9,251	512.7	1	GCE18	28W x 10D x 10H	40	\$982
PF3F3R6K98	3.3	6,983	376.1	1	GCE12	26.5W x 13D x 5H	31	\$765
PF3F3R4K29	3.3	4,299	556.4	1	GCE9	26.5W x 10D x 5H	26	\$610
PF3F3R3K37	3.3	3,379	380.3	1	GCE6	19W x 10D x 5H	21	\$483
PF3F3R2K77	3.3	2,775	317.7	1	GCE6	19W x 10D x 5H	19	\$483
PF3F3R2K23	3.3	2,231	124.5	1	GCE6	19W x 10D x 5H	16	\$433
PF3F3R1K87	3.3	1,876	105.5	1	GCE6	19W x 10D x 5H	16	\$379
PF3F3R1K20	3.3	1,200	60.9	1	GCE3	12W x 10D x 5H	13	\$255
PF3F3R800W	3.3	800	36.3	1	GCE2	12W x 7D x 5H	9	\$194
PF2F5R225K0	2.5	225,001	76188.3	2	ED8	30W x 18D x 64H	1059	\$18,232
PF2F5R110K2	2.5	110,251	31580.0	2	ED8	30W x 18D x 64H	624	\$10,293
PF2F5R56K2	2.5	56,251	12619.6	1	ED5	30W x 18D x 40H	255	\$5,124
PF2F5R29K1	2.5	29,161	3687.9	1	ED3	30W x 18D x 24H	121	\$2,928
PF2F5R12K2	2.5	12,251	3882.4	1	GCE18	28W x 10D x 10H	64	\$1,283
PF2F5R6K25	2.5	6,251	1353.8	1	GCE12	26.5W x 13D x 5H	37	\$724
PF2F5R3K24	2.5	3,241	301.6	1	GCE6	19W x 10D x 5H	18	\$432
PF2F3R74K5	2.3	74,520	18673.4	1	ED6	30W x 18D x 48H	323	\$6,167
PF2F3R55K0	2.3	55,001	11778.3	1	ED5	30W x 18D x 40H	243	\$5,167
PF2F3R33K2	2.3	33,273	5992.9	1	ED4	30W x 18D x 32H	162	\$3,867
PF2F3R27K5	2.3	27,501	3687.9	1	ED3	30W x 18D x 24H	121	\$3,125
PF2F3R17K4	2.3	17,409	1588.6	1	ED2	30W x 18D x 16H	75	\$1,872
PF2F3R14K7	2.3	14,720	2824.2	1	GCE30	28W x 16D x 10H	70	\$1,758
PF2F3R9K42	2.3	9,421	1075.4	1	GCE18	28W x 10D x 10H	44	\$1,064
PF2F3R7K73	2.3	7,737	766.9	1	GCE18	28W x 10D x 10H	42	\$982
PF2F3R3K68	2.3	3,680	723.3	1	GCE9	26.5W x 10D x 5H	27	\$610
PF2F3R2K98	2.3	2,981	365.6	1	GCE6	19W x 10D x 5H	19	\$505
PF2F3R2K35	2.3	2,356	253.5	1	GCE6	19W x 10D x 5H	18	\$393
PF2F3R1K93	2.3	1,934	211.8	1	GCE6	19W x 10D x 5H	17	\$393
PF2F3R1K66	2.3	1,665	112.3	1	GCE6	19W x 10D x 5H	16	\$379
PF2F3R1K60	2.3	1,600	165.1	1	GCE4	12W x 13D x 5H	16	\$317
PF2F3R1K20	2.3	1,200	56.9	1	GCE3	12W x 10D x 5H	13	\$255
PF2F3R800W	2.3	800	62.9	1	GCE2	12W x 7D x 5H	9	\$194
PF2F1R4K44	2.1	4,444	266.0	1	GCE8	19W x 13D x 5H	23	\$597
PF2F1R3K36	2.1	3,361	599.3	1	GCE6	19W x 10D x 5H	22	\$515
PF2F1R2K72	2.1	2,723	365.6	1	GCE6	19W x 10D x 5H	19	\$505
PF2F1R2K72	2.1	2,723	365.6	1	GCE6	19W x 10D x 5H	19	\$505
PF2F1R2K15	2.1	2,151	253.5	1	GCE6	19W x 10D x 5H	18	\$393
PF2F1R1K76	2.1	1,767	168.0	1	GCE6	19W x 10D x 5H	16	\$379
PF2F1R1K42	2.1	1,421	83.0	1	GCE6	19W x 10D x 5H	15	\$360
PF2F1R1K20	2.1	1,200	84.8	1	GCE3	12W x 10D x 5H	13	\$255
PF1F7R272K0	1.7	272,001	92751.0	3	ED7	30W x 18D x 56H	1318	\$22,562
PF1F7R153K0	1.7	153,001	51344.3	2	ED6	30W x 18D x 48H	738	\$12,657
PF1F7R74K9	1.7	74,971	20595.7	1	ED6	30W x 18D x 48H	334	\$6,156
PF1F7R68K0	1.7	68,001	23187.7	1	ED6	30W x 18D x 48H	343	\$5,811
PF1F7R63K2	1.7	63,251	8413.1	1	ED4	30W x 18D x 32H	183	\$3,622
PF1F7R33K3	1.7	33,321	9153.6	1	ED3	30W x 18D x 24H	158	\$2,970
PF1F7R19K8	1.7	19,830	2765.9	1	ED2	30W x 18D x 16H	89	\$2,183
PF1F7R13K7	1.7	13,771	2476.6	1	GCE24	28W x 13D x 10H	61	\$1,367
PF1F7R10K3	1.7	10,344	600.6	1	GCE18	28W x 10D x 10H	39	\$995
PF1F7R8K33	1.7	8,331	2588.3	1	GCE12	26.5W x 13D x 5H	45	\$908
PF1F7R4K59	1.7	4,598	283.2	1	GCE8	19W x 13D x 5H	24	\$561
PF1F7R3K44	1.7	3,444	656.9	1	GCE6	19W x 10D x 5H	22	\$482

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PRCR PART NUMBER INDEX

Resistor P/N	Ohms	Watts	kW-s	Encl Qty	Encl P/N	Dimensions	Weight (lbs)	List Price
PRCR117R400W	117	400	TBD	1	CR400	12W x 3D x 1.5H	4	\$112
PRCR117R300W	117	300	TBD	1	CR300	9W x 3D x 1.5H	3	\$90
PRCR117R250W	117	250	TBD	1	CR250	7.5W x 3D x 1.5H	3	\$84
PRCR117R200W	117	200	TBD	1	CR200	6W x 3D x 1.5H	2	\$78
PRCR117R150W	117	150	TBD	1	CR150	9W x 1.5D x 0.75H	1	\$67
PRCR117R100W	117	100	TBD	1	CR100	6W x 1.5D x 0.75H	1	\$56
PRCR97R400W	97	400	TBD	1	CR400	12W x 3D x 1.5H	4	\$112
PRCR97R300W	97	300	TBD	1	CR300	9W x 3D x 1.5H	3	\$90
PRCR97R250W	97	250	TBD	1	CR250	7.5W x 3D x 1.5H	3	\$84
PRCR97R200W	97	200	TBD	1	CR200	6W x 3D x 1.5H	2	\$78
PRCR97R150W	97	150	TBD	1	CR150	9W x 1.5D x 0.75H	1	\$67
PRCR80R400W	80	400	TBD	1	CR400	12W x 3D x 1.5H	4	\$112
PRCR80R300W	80	300	TBD	1	CR300	9W x 3D x 1.5H	3	\$90
PRCR80R250W	80	250	TBD	1	CR250	7.5W x 3D x 1.5H	3	\$84
PRCR80R200W	80	200	TBD	1	CR200	6W x 3D x 1.5H	2	\$78
PRCR77R400W	77	400	TBD	1	CR400	12W x 3D x 1.5H	4	\$112
PRCR77R300W	77	300	TBD	1	CR300	9W x 3D x 1.5H	3	\$90
PRCR77R250W	77	250	TBD	1	CR250	7.5W x 3D x 1.5H	3	\$84
PRCR77R200W	77	200	TBD	1	CR200	6W x 3D x 1.5H	2	\$78
PRCR60R400W	60	400	TBD	1	CR400	12W x 3D x 1.5H	4	\$112
PRCR60R300W	60	300	TBD	1	CR300	9W x 3D x 1.5H	3	\$90
PRCR60R250W	60	250	TBD	1	CR250	7.5W x 3D x 1.5H	3	\$84
PRCR60R200W	60	200	TBD	1	CR200	6W x 3D x 1.5H	2	\$78
PRCR60R150W	60	150	TBD	1	CR150	9W x 1.5D x 0.75H	1	\$67
PRCR60R100W	60	100	TBD	1	CR100	6W x 1.5D x 0.75H	1	\$56
PRCR48R400W	48	400	TBD	1	CR400	12W x 3D x 1.5H	4	\$112
PRCR48R250W	48	250	TBD	1	CR250	7.5W x 3D x 1.5H	3	\$84
PRCR48R200W	48	200	TBD	1	CR200	6W x 3D x 1.5H	2	\$78
PRCR48R150W	48	150	TBD	1	CR150	9W x 1.5D x 0.75H	1	\$67
PRCR48R100W	48	100	TBD	1	CR100	6W x 1.5D x 0.75H	1	\$56
PRCR45R400W	45	400	TBD	1	CR400	12W x 3D x 1.5H	4	\$112
PRCR32R300W	32	300	TBD	1	CR300	9W x 3D x 1.5H	3	\$90
PRCR32R200W	32	200	TBD	1	CR200	6W x 3D x 1.5H	2	\$78
PRCR32R150W	32	150	TBD	1	CR150	9W x 1.5D x 0.75H	1	\$67
PRCR25R300W	25	300	TBD	1	CR300	9W x 3D x 1.5H	3	\$90
PRCR25R200W	25	200	TBD	1	CR200	6W x 3D x 1.5H	2	\$78
PRCR23R300W	23	300	TBD	1	CR300	9W x 3D x 1.5H	3	\$90
PRCR23R200W	23	200	TBD	1	CR200	6W x 3D x 1.5H	2	\$78

All resistors assemblies come mounted in a screened guarded enclosure and include a prewired terminal block and a normally closed thermal switch.

For outdoor enclosures add 10% to the price and -W to the part number. The standard enclosure finish is mill galvanized, however other finishes are available. Consult factory.

PR PART NUMBER INDEX

Resistor P/N	Ohms	Watts	kW-s	Encl Qty	Encl P/N	Dimensions	Weight (lbs)	List Price
PR117R150W	117	150	1.15	1	GCE1	12W x 5D x 5H	6	\$118
PR117R250W	117	250	6.00	1	GCE1	12W x 5D x 5H	6	\$120
PR117R400W	117	400	6.00	1	GCE1	12W x 5D x 5H	6	\$120
PR117R800W	117	800	16.94	1	GCE2	12W x 7D x 5H	7	\$194
PR117R1K20	117	1200	41.67	1	GCE3	12W x 10D x 5H	9	\$255
PR117R1K60	117	1600	66.67	1	GCE4	12W x 13D x 5H	11	\$317
PR117R1K80	117	1800	66.67	1	GCE4	12W x 13D x 5H	11	\$317
PR117R2K25	117	2250	105.00	1	GCE5	12W x 16D x 5H	12	\$378
PR97R150W	97	150	2.18	1	GCE1	12W x 5D x 5H	6	\$118
PR97R250W	97	250	4.97	1	GCE1	12W x 5D x 5H	6	\$120
PR97R400W	97	400	4.97	1	GCE1	12W x 5D x 5H	6	\$120
PR97R800W	97	800	19.34	1	GCE2	12W x 7D x 5H	7	\$194
PR97R1K20	97	1200	34.54	1	GCE3	12W x 10D x 5H	9	\$255
PR97R1K60	97	1600	55.27	1	GCE4	12W x 13D x 5H	11	\$317
PR97R2K25	97	2250	87.05	1	GCE5	12W x 16D x 5H	12	\$378
PR97R2K70	97	2700	124.31	1	GCE6	19W x 10D x 5H	13	\$439
PR97R3K60	97	3600	207.18	1	GCE8	19W x 13D x 5H	15	\$539
PR80R250W	80	250	6.41	1	GCE1	12W x 5D x 5H	6	\$120
PR80R400W	80	400	6.41	1	GCE1	12W x 5D x 5H	6	\$120
PR80R800W	80	800	28.49	1	GCE2	12W x 7D x 5H	7	\$194
PR80R1K20	80	1200	45.57	1	GCE3	12W x 10D x 5H	9	\$255
PR80R1K60	80	1600	71.79	1	GCE4	12W x 13D x 5H	11	\$317
PR80R1K80	80	1800	71.79	1	GCE4	12W x 13D x 5H	11	\$317
PR80R2K25	80	2250	102.56	1	GCE5	12W x 16D x 5H	12	\$378
PR80R2K70	80	2700	102.54	1	GCE6	19W x 10D x 5H	13	\$439
PR80R3K15	80	3150	170.81	1	GCE8	19W x 13D x 5H	15	\$501
PR80R3K60	80	3600	164.10	1	GCE8	19W x 13D x 5H	15	\$539
PR80R4K05	80	4050	229.03	1	GCE9	26.5W x 10D x 5H	16	\$600
PR80R4K95	80	4950	219.70	1	GCE12	26.5W x 13D x 5H	19	\$723
PR80R5K85	80	5850	358.75	1	GCE15	26.5W x 16D x 5H	21	\$822
PR77R250W	77	250	6.17	1	GCE1	12W x 5D x 5H	6	\$120
PR77R400W	77	400	6.17	1	GCE1	12W x 5D x 5H	6	\$120
PR77R800W	77	800	27.42	1	GCE2	12W x 7D x 5H	7	\$194
PR77R1K20	77	1200	43.86	1	GCE3	12W x 10D x 5H	9	\$255
PR77R1K60	77	1600	69.10	1	GCE4	12W x 13D x 5H	11	\$317
PR77R1K80	77	1800	69.10	1	GCE4	12W x 13D x 5H	11	\$317
PR77R2K25	77	2250	98.72	1	GCE5	12W x 16D x 5H	12	\$378
PR77R3K15	77	3150	157.95	1	GCE8	19W x 13D x 5H	15	\$501
PR77R3K60	77	3600	157.87	1	GCE8	19W x 13D x 5H	15	\$539
PR77R4K05	77	4050	220.52	1	GCE9	26.5W x 10D x 5H	16	\$600
PR60R150W	60	150	3.33	1	GCE1	12W x 5D x 5H	6	\$118
PR60R250W	60	250	8.68	1	GCE1	12W x 5D x 5H	6	\$120
PR60R400W	60	400	8.68	1	GCE1	12W x 5D x 5H	6	\$120
PR60R800W	60	800	34.19	1	GCE2	12W x 7D x 5H	7	\$194
PR60R1K20	60	1200	53.85	1	GCE3	12W x 10D x 5H	9	\$255
PR60R2K25	60	2250	128.21	1	GCE5	12W x 16D x 5H	12	\$378
PR60R2K70	60	2700	123.08	1	GCE6	19W x 10D x 5H	13	\$439
PR60R3K60	60	3600	164.84	1	GCE8	19W x 13D x 5H	15	\$539
PR60R4K50	60	4500	269.23	1	GCE10	19W x 16D x 5H	18	\$661
PR60R4K95	60	4950	265.51	1	GCE12	26.5W x 13D x 5H	19	\$723
PR60R5K85	60	5850	409.78	1	GCE15	26.5W x 16D x 5H	21	\$822
PR60R7K65	60	7650	657.58	1	GCE18	28W x 10D x 10H	25	\$1,020
PR48R150W	48	150	2.69	1	GCE1	12W x 5D x 5H	6	\$118
PR48R250W	48	250	9.57	1	GCE1	12W x 5D x 5H	6	\$120
PR48R400W	48	400	9.57	1	GCE1	12W x 5D x 5H	6	\$120
PR48R800W	48	800	27.35	1	GCE2	12W x 7D x 5H	7	\$194
PR48R1K20	48	1200	61.54	1	GCE3	12W x 10D x 5H	9	\$255
PR48R1K60	48	1600	102.56	1	GCE4	12W x 13D x 5H	11	\$317
PR48R2K70	48	2700	137.56	1	GCE6	19W x 10D x 5H	13	\$439
PR48R3K15	48	3150	131.73	1	GCE8	19W x 13D x 5H	15	\$501
PR48R4K95	48	4950	327.93	1	GCE12	26.5W x 13D x 5H	19	\$723
PR48R5K85	48	5850	527.14	1	GCE15	26.5W x 16D x 5H	21	\$822
PR48R7K65	48	7650	860.46	1	GCE18	28W x 10D x 10H	25	\$1,020
PR48R9K45	48	9450	859.38	1	GCE24	28W x 13D x 10H	30	\$1,206
PR45R400W	45	400	8.97	1	GCE1	12W x 5D x 5H	6	\$120
PR45R800W	45	800	40.38	1	GCE2	12W x 7D x 5H	7	\$194
PR45R1K20	45	1200	57.69	1	GCE3	12W x 10D x 5H	9	\$255
PR45R2K25	45	2250	92.31	1	GCE5	12W x 16D x 5H	12	\$378
PR45R3K60	45	3600	199.12	1	GCE8	19W x 13D x 5H	15	\$539
PR45R4K05	45	4050	311.54	1	GCE9	26.5W x 10D x 5H	16	\$600

All resistors assemblies come mounted in a screened guarded enclosure and include a prewired terminal block and a normally closed thermal switch.

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Resistor P/N	Ohms	Watts	kW-s	Encl Qty	Encl P/N	Dimensions	Weight (lbs)	List Price
PR45R5K85	45	5850	494.29	1	GCE15	26.5W x 16D x 5H	21	\$822
PR45R6K30	45	6300	493.85	1	GCE15	26.5W x 16D x 5H	21	\$860
PR45R6K75	45	6750	494.51	1	GCE15	26.5W x 16D x 5H	21	\$897
PR40R800W	40	800	35.90	1	GCE2	12W x 7D x 5H	7	\$194
PR40R1K20	40	1200	51.27	1	GCE3	12W x 10D x 5H	9	\$255
PR40R1K60	40	1600	82.05	1	GCE4	12W x 13D x 5H	11	\$317
PR40R1K80	40	1800	82.05	1	GCE4	12W x 13D x 5H	11	\$317
PR40R3K15	40	3150	177.02	1	GCE8	19W x 13D x 5H	15	\$501
PR40R4K05	40	4050	273.23	1	GCE9	26.5W x 10D x 5H	16	\$600
PR40R5K85	40	5850	438.57	1	GCE15	26.5W x 16D x 5H	21	\$822
PR40R7K20	40	7200	717.95	1	GCE18	28W x 10D x 10H	25	\$982
PR40R10K2	40	10240	445.67	1	GCE24	28W x 13D x 10H	49	\$1,213
PR34R1K20	34	1200	72.63	1	GCE3	12W x 10D x 5H	9	\$255
PR34R1K60	34	1600	97.44	1	GCE4	12W x 13D x 5H	11	\$317
PR34R2K25	34	2250	93.41	1	GCE5	12W x 16D x 5H	12	\$378
PR34R4K50	34	4500	373.63	1	GCE10	19W x 16D x 5H	18	\$661
PR34R8K70	34	8704	378.82	1	GCE18	28W x 10D x 10H	42	\$1,064
PR34R13K6	34	13600	504.98	1	GCE24	28W x 13D x 10H	54	\$1,327
PR32R150W	32	150	2.82	1	GCE1	12W x 5D x 5H	6	\$118
PR32R250W	32	250	11.40	1	GCE1	12W x 5D x 5H	6	\$120
PR32R400W	32	400	11.40	1	GCE1	12W x 5D x 5H	6	\$120
PR32R800W	32	800	41.03	1	GCE2	12W x 7D x 5H	7	\$194
PR32R1K20	32	1200	65.60	1	GCE3	12W x 10D x 5H	9	\$255
PR32R1K60	32	1600	91.70	1	GCE4	12W x 13D x 5H	11	\$317
PR32R2K25	32	2250	143.59	1	GCE5	12W x 16D x 5H	12	\$378
PR32R3K15	32	3150	218.74	1	GCE8	19W x 13D x 5H	15	\$501
PR32R4K95	32	4950	350.55	1	GCE12	26.5W x 13D x 5H	19	\$723
PR32R5K85	32	5850	574.00	1	GCE15	26.5W x 16D x 5H	21	\$822
PR32R8K19	32	8192	356.54	1	GCE15	26.5W x 16D x 5H	37	\$903
PR32R12K8	32	12800	475.28	1	GCE24	28W x 13D x 10H	52	\$1,327
PR27R800W	27	800	34.62	1	GCE2	12W x 7D x 5H	7	\$194
PR27R1K20	27	1200	55.38	1	GCE3	12W x 10D x 5H	9	\$255
PR27R1K60	27	1600	74.18	1	GCE4	12W x 13D x 5H	11	\$317
PR27R3K60	27	3600	296.26	1	GCE8	19W x 13D x 5H	15	\$539
PR27R6K91	27	6912	300.66	1	GCE15	26.5W x 16D x 5H	33	\$835
PR27R10K8	27	10800	401.02	1	GCE18	28W x 10D x 10H	44	\$1,064
PR25R250W	25	250	14.25	1	GCE1	12W x 5D x 5H	6	\$120
PR25R400W	25	400	14.25	1	GCE1	12W x 5D x 5H	6	\$120
PR25R800W	25	800	53.42	1	GCE2	12W x 7D x 5H	7	\$194
PR25R1K20	25	1200	71.62	1	GCE3	12W x 10D x 5H	9	\$255
PR25R1K80	25	1800	112.18	1	GCE4	12W x 13D x 5H	11	\$317
PR25R2K70	25	2700	280.00	1	GCE6	19W x 10D x 5H	13	\$439
PR25R3K15	25	3150	274.62	1	GCE8	19W x 13D x 5H	15	\$501
PR25R6K40	25	6400	278.55	1	GCE12	26.5W x 13D x 5H	31	\$765
PR25R10K0	25	10000	371.31	1	GCE18	28W x 10D x 10H	43	\$1,064
PR25R16K9	25	16900	962.45	1	GCE30	28W x 16D x 10H	57	\$1,591
PR23R250W	23	250	20.64	1	GCE1	12W x 5D x 5H	6	\$120
PR23R400W	23	400	20.64	1	GCE1	12W x 5D x 5H	6	\$120
PR23R800W	23	800	49.15	1	GCE2	12W x 7D x 5H	7	\$194
PR23R1K20	23	1200	63.13	1	GCE3	12W x 10D x 5H	9	\$255
PR23R2K25	23	2250	157.26	1	GCE5	12W x 16D x 5H	12	\$378
PR23R3K15	23	3150	252.31	1	GCE8	19W x 13D x 5H	15	\$501
PR22R1K20	22	1200	28.19	1	GCE3	12W x 10D x 5H	9	\$255
PR22R1K60	22	1600	45.13	1	GCE4	12W x 13D x 5H	11	\$317
PR22R2K70	22	2700	62.93	1	GCE6	19W x 10D x 5H	13	\$439
PR22R5K63	22	5632	244.99	1	GCE12	26.5W x 13D x 5H	29	\$710
PR22R11K6	22	11638	626.83	1	GCE24	28W x 13D x 10H	50	\$1,213
PR22R14K8	22	14872	846.95	1	GCE24	28W x 13D x 10H	49	\$1,327
PR20R1K20	20	1200	54.89	1	GCE3	12W x 10D x 5H	9	\$255
PR20R1K60	20	1600	138.46	1	GCE4	12W x 13D x 5H	11	\$317
PR20R2K25	20	2250	224.36	1	GCE5	12W x 16D x 5H	12	\$378
PR20R5K12	20	5120	222.71	1	GCE12	26.5W x 13D x 5H	28	\$710
PR20R8K00	20	8000	297.05	1	GCE15	26.5W x 16D x 5H	35	\$903
PR20R13K5	20	13520	769.96	1	GCE24	28W x 13D x 10H	47	\$1,327
PR19R1K20	19.0	1200	85.21	1	GCE3	12W x 10D x 5H	9	\$255
PR19R2K25	19.0	2250	208.79	1	GCE5	12W x 16D x 5H	12	\$378
PR19R2K70	19.0	2700	208.35	1	GCE6	19W x 10D x 5H	13	\$439
PR19R3K85	19.0	3850	195.84	1	GCE8	19W x 13D x 5H	23	\$597
PR19R6K85	19.0	6859	213.25	1	GCE12	26.5W x 13D x 5H	30	\$765
PR19R12K8	19.0	12844	731.46	1	GCE24	28W x 13D x 10H	47	\$1,327
PR19R19K4	19.0	19456	2131.57	1	ED2	30W x 18D x 16H	85	\$1,962
PR18R1K60	18.0	1600	23.08	1	GCE4	12W x 13D x 5H	11	\$317

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Resistor P/N	Ohms	Watts	kW-s	Encl Qty	Encl P/N	Dimensions	Weight (lbs)	List Price
PR18R1K80	18.0	1800	123.08	1	GCE4	12W x 13D x 5H	11	\$317
PR18R2K25	18.0	2250	197.80	1	GCE5	12W x 16D x 5H	12	\$378
PR18R2K70	18.0	2700	197.80	1	GCE6	19W x 10D x 5H	13	\$439
PR18R3K15	18.0	3150	322.90	1	GCE8	19W x 13D x 5H	15	\$501
PR18R3K60	18.0	3600	323.08	1	GCE8	19W x 13D x 5H	15	\$539
PR18R4K60	18.0	4608	200.55	1	GCE9	26.5W x 10D x 5H	25	\$604
PR18R6K49	18.0	6498	202.02	1	GCE12	26.5W x 13D x 5H	30	\$765
PR18R7K20	18.0	7200	267.34	1	GCE12	26.5W x 13D x 5H	31	\$765
PR18R9K52	18.0	9522	512.86	1	GCE18	28W x 10D x 10H	42	\$1,064
PR18R12K1	18.0	12168	692.96	1	GCE24	28W x 13D x 10H	46	\$1,213
PR18R15K1	18.0	15138	1480.89	1	GCE30	28W x 16D x 10H	61	\$1,591
PR18R18K4	18.0	18432	2019.39	1	ED2	30W x 18D x 16H	83	\$1,962
PR18R23K3	18.0	23328	3006.46	1	ED3	30W x 18D x 24H	109	\$2,724
PR18R28K8	18.0	28800	5136.76	1	ED3	30W x 18D x 24H	133	\$3,326
PR15F4R1K60	15.4	1600	172.76	1	GCE4	12W x 13D x 5H	11	\$317
PR15F4R2K25	15.4	2250	276.41	1	GCE5	12W x 16D x 5H	12	\$378
PR15F4R3K60	15.4	3600	275.69	1	GCE8	19W x 13D x 5H	15	\$539
PR15F4R8K14	15.4	8146	438.78	1	GCE15	26.5W x 16D x 5H	35	\$903
PR15F4R12K9	15.4	12951	1266.98	1	GCE30	28W x 16D x 10H	57	\$1,477
PR15F4R19K9	15.4	19958	2572.20	1	ED2	30W x 18D x 16H	85	\$2,230
PR15R400W	15.0	400	19.23	1	GCE1	12W x 5D x 5H	6	\$120
PR15R800W	15.0	800	41.21	1	GCE2	12W x 7D x 5H	7	\$194
PR15R1K60	15.0	1600	164.84	1	GCE4	12W x 13D x 5H	11	\$317
PR15R3K15	15.0	3150	268.87	1	GCE8	19W x 13D x 5H	15	\$501
PR15R4K86	15.0	4860	168.35	1	GCE9	26.5W x 10D x 5H	26	\$604
PR14R400W	14.0	400	17.95	1	GCE1	12W x 5D x 5H	6	\$120
PR14R800W	14.0	800	38.46	1	GCE2	12W x 7D x 5H	7	\$194
PR14R1K80	14.0	1800	153.85	1	GCE4	12W x 13D x 5H	11	\$317
PR14R3K15	14.0	3150	251.28	1	GCE8	19W x 13D x 5H	15	\$501
PR14R4K53	14.0	4536	157.13	1	GCE9	26.5W x 10D x 5H	25	\$604
PR13R400W	13.0	400	27.78	1	GCE1	12W x 5D x 5H	6	\$120
PR13R800W	13.0	800	58.33	1	GCE2	12W x 7D x 5H	7	\$194
PR13R1K20	13.0	1200	88.82	1	GCE3	12W x 10D x 5H	9	\$255
PR13R2K25	13.0	2250	233.33	1	GCE5	12W x 16D x 5H	12	\$378
PR13R3K32	13.0	3328	144.84	1	GCE9	26.5W x 10D x 5H	23	\$490
PR13R5K20	13.0	5200	193.08	1	GCE9	26.5W x 10D x 5H	25	\$490
PR12R400W	12.0	400	82.05	1	GCE1	12W x 5D x 5H	6	\$120
PR12R800W	12.0	800	131.87	1	GCE2	12W x 7D x 5H	7	\$194
PR12R1K20	12.0	1200	134.62	1	GCE3	12W x 10D x 5H	9	\$255
PR12R2K25	12.0	2250	215.38	1	GCE5	12W x 16D x 5H	12	\$378
PR12R3K07	12.0	3072	133.52	1	GCE6	19W x 10D x 5H	18	\$483
PR12R6K34	12.0	6348	341.91	1	GCE12	26.5W x 13D x 5H	30	\$765
PR10F4R1K80	10.4	1800	186.67	1	GCE4	12W x 13D x 5H	11	\$317
PR10F4R2K66	10.4	2662	115.81	1	GCE9	26.5W x 10D x 5H	21	\$462
PR10F4R3K00	10.4	3000	115.59	1	GCE6	19W x 10D x 5H	21	\$454
PR10F4R4K16	10.4	4160	153.24	1	GCE9	26.5W x 10D x 5H	23	\$563
PR10F4R8K74	10.4	8746	855.63	1	GCE18	28W x 10D x 10H	41	\$1,064
PR10F4R16K6	10.4	16640	2966.87	1	GCE30	28W x 16D x 10H	72	\$1,758
PR10F4R26K0	10.4	26000	5718.70	1	ED3	30W x 18D x 24H	131	\$2,724
PR9F3R800W	9.3	800	63.59	1	GCE2	12W x 7D x 5H	7	\$194
PR9F3R1K60	9.3	1600	166.56	1	GCE4	12W x 13D x 5H	11	\$317
PR9F3R2K25	9.3	2250	166.92	1	GCE5	12W x 16D x 5H	12	\$378
PR9F3R3K72	9.3	3720	135.52	1	GCE6	19W x 10D x 5H	19	\$483
PR9F3R6K28	9.3	6286	361.21	1	GCE12	26.5W x 13D x 5H	29	\$710
PR9F3R12K0	9.3	12052	1554.16	1	GCE24	28W x 13D x 10H	53	\$1,331
PR9R800W	9.0	800	61.54	1	GCE2	12W x 7D x 5H	7	\$194
PR9R1K20	9.0	1200	98.90	1	GCE3	12W x 10D x 5H	9	\$255
PR9R1K60	9.0	1600	161.54	1	GCE4	12W x 13D x 5H	11	\$317
PR9R3K60	9.0	3600	133.67	1	GCE9	26.5W x 10D x 5H	23	\$490
PR9R6K08	9.0	6084	349.55	1	GCE12	26.5W x 13D x 5H	29	\$811
PR9R11K6	9.0	11664	1504.03	1	GCE24	28W x 13D x 10H	52	\$1,331
PR7R1K20	7.0	1200	125.46	1	GCE3	12W x 10D x 5H	9	\$255
PR7R1K60	7.0	1600	125.64	1	GCE4	12W x 13D x 5H	11	\$317
PR7R1K79	7.0	1792	77.80	1	GCE6	19W x 10D x 5H	16	\$379
PR7R4K73	7.0	4732	269.49	1	GCE9	26.5W x 10D x 5H	23	\$490
PR7R7K16	7.0	7168	784.13	1	GCE15	26.5W x 16D x 5H	35	\$903
PR7R14K1	7.0	14175	2355.50	1	GCE24	28W x 13D x 10H	59	\$1,461
PR6F3R2K52	6.3	2520	93.57	1	GCE9	26.5W x 10D x 5H	21	\$490
PR6F3R3K33	6.3	3332	179.50	1	GCE9	26.5W x 10D x 5H	22	\$490
PR6F3R4K25	6.3	4258	244.69	1	GCE9	26.5W x 10D x 5H	24	\$563
PR6F3R5K29	6.3	5298	519.54	1	GCE12	26.5W x 13D x 5H	30	\$811

All resistors assemblies come mounted in a screened guarded enclosure and include a prewired terminal block and a normally closed thermal switch.

For outdoor enclosures add 10% to the price and -W to the part number. The standard enclosure finish is mill galvanized, however other finishes are available. Consult factory.

Resistor P/N	Ohms	Watts	kW-s	Encl Qty	Encl P/N	Dimensions	Weight (lbs)	List Price
PR6F3R6K45	6.3	6451	705.72	1	GCE12	26.5W x 13D x 5H	31	\$765
PR6F3R8K16	6.3	8164	1052.82	1	GCE15	26.5W x 16D x 5H	37	\$986
PR6F3R10K0	6.3	10080	1797.24	1	GCE24	28W x 13D x 10H	53	\$1,331
PR6F3R15K7	6.3	15750	3469.19	1	GCE30	28W x 16D x 10H	75	\$1,628
PR6F3R22K6	6.3	22680	5766.79	1	ED2	30W x 18D x 16H	108	\$2,130
PR6F3R30K8	6.3	30870	8737.56	1	ED3	30W x 18D x 24H	153	\$3,184
PR6F3R45K5	6.3	45517	15056.34	1	ED4	30W x 18D x 32H	241	\$5,051
PR6F3R63K0	6.3	63000	14137.20	1	ED5	30W x 18D x 40H	312	\$5,887
PR5F4R1K20	5.4	1200	96.92	1	GCE3	12W x 10D x 5H	9	\$255
PR5F4R1K38	5.4	1382	59.90	1	GCE6	19W x 10D x 5H	15	\$360
PR5F4R1K74	5.4	1749	61.70	1	GCE6	19W x 10D x 5H	16	\$379
PR5F4R1K94	5.4	1949	61.70	1	GCE6	19W x 10D x 5H	16	\$379
PR5F4R2K85	5.4	2856	154.80	1	GCE9	26.5W x 10D x 5H	21	\$462
PR5F4R3K65	5.4	3650	207.89	1	GCE9	26.5W x 10D x 5H	21	\$490
PR5F4R4K54	5.4	4541	444.27	1	GCE9	26.5W x 10D x 5H	24	\$604
PR5F4R5K52	5.4	5529	603.07	1	GCE12	26.5W x 13D x 5H	32	\$710
PR5F4R6K99	5.4	6998	902.42	1	GCE12	26.5W x 13D x 5H	32	\$832
PR5F4R8K64	5.4	8640	1540.49	1	GCE18	28W x 10D x 10H	45	\$1,164
PR5F4R13K5	5.4	13500	2973.59	1	GCE24	28W x 13D x 10H	64	\$1,461
PR5F4R19K4	5.4	19440	4904.09	1	GCE30	28W x 16D x 10H	87	\$1,758
PR5F4R27K9	5.4	27993	3607.76	1	ED3	30W x 18D x 24H	119	\$3,125
PR5F4R34K5	5.4	34560	6164.11	1	ED4	30W x 18D x 32H	165	\$3,967
PR5F4R43K7	5.4	43740	7276.57	1	ED5	30W x 18D x 40H	194	\$4,364
PR5F4R54K0	5.4	54000	11877.30	1	ED6	30W x 18D x 48H	261	\$5,364
PR4F8R4K03	4.8	4036	395.84	1	GCE9	26.5W x 10D x 5H	25	\$563
PR4F8R6K22	4.8	6220	802.15	1	GCE12	26.5W x 13D x 5H	31	\$832
PR4F8R7K68	4.8	7680	1369.33	1	GCE15	26.5W x 16D x 5H	39	\$986
PR4F8R23K5	4.8	23520	6752.00	1	GCE30	28W x 16D x 10H	102	\$2,114
PR4F8R38K8	4.8	38880	6468.06	1	ED4	30W x 18D x 32H	167	\$3,867
PR4F8R69K1	4.8	69120	17574.97	1	ED6	30W x 18D x 48H	310	\$5,866
PR3F2R32K0	3.2	32000	7180.80	1	ED3	30W x 18D x 24H	170	\$3,184
PR2F8R1K48	2.8	1481	79.68	1	GCE6	19W x 10D x 5H	15	\$360
PR2F8R2K35	2.8	2354	230.58	1	GCE6	19W x 10D x 5H	17	\$461
PR2F8R3K62	2.8	3628	467.67	1	GCE9	26.5W x 10D x 5H	25	\$563
PR2F8R7K00	2.8	7000	1541.86	1	GCE12	26.5W x 13D x 5H	37	\$832
PR2F8R13K7	2.8	13720	3938.67	1	GCE18	28W x 10D x 10H	65	\$1,378
PR2F8R28K0	2.8	28000	6283.20	1	ED2	30W x 18D x 16H	140	\$2,745
PR2F3R1K93	2.3	1934	188.83	1	GCE6	19W x 10D x 5H	17	\$393
PR2F3R2K98	2.3	2980	383.98	1	GCE6	19W x 10D x 5H	19	\$505
PR2F3R4K65	2.3	4657	779.27	1	GCE9	26.5W x 10D x 5H	28	\$610
PR2F3R11K2	2.3	11270	3235.34	1	GCE15	26.5W x 16D x 5H	54	\$1,164
PR2F3R16K6	2.3	16617	5487.29	1	GCE24	28W x 13D x 10H	85	\$1,746
PR2F3R33K1	2.3	33120	8421.34	1	ED3	30W x 18D x 24H	155	\$3,125

TYPE BM BRAKE MODULES

Brake Module P/N	Drive Input Voltage	Minimum Ohms	Continuous Amps	Peak Amps	Dimensions	Weight (lbs)	List Price
PWA050NC	200 – 240	1.9	50	200	7" x 11" x 5"	8	\$1,339
PWA115NC	200 – 240	1.9	115	200	7" x 13" x 5"	10	\$1,485
PWA450NC	200 – 240	1.3	300	300	7" x 22" x 10"	38	\$5,527
PWA600NC	200 – 240	0.63	600	600	7" x 22" x 10"	38	\$7,211
PWB050NC	395 – 480	3.8	50	200	7" x 11" x 5"	8	\$1,339
PWB115NC	395 – 480	3.8	115	200	7" x 13" x 5"	10	\$1,485
PWB450NC	395 – 480	2.5	300	300	7" x 22" x 10"	38	\$5,527
PWB600NC	395 – 480	1.3	600	600	7" x 22" x 10"	38	\$7,211
PWC050NC	500 – 600	4.7	50	200	7" x 11" x 5"	8	\$1,339
PWC115NC	500 – 600	4.7	115	200	7" x 13" x 5"	10	\$1,485
PWC450NC	500 – 600	3.1	300	300	7" x 22" x 10"	38	\$5,527
PWC600NC	500 – 600	1.6	600	600	7" x 22" x 10"	38	\$7,211

VBR LOAD ANALYZER

VBR Part Number	Dimensions	Weight (lbs)	List Price
VBR4-30PF	20" x 20" x 10	50	\$4,800
Carrying Case	30" x 28" x 20	40	\$1,500
Rental Charge	1 week minimum	Security Deposit \$1,750	\$900/wk

All resistors assemblies come mounted in a screened guarded enclosure and include a prewired terminal block and a normally closed thermal switch.

For outdoor enclosures add 10% to the price and -W to the part number. The standard enclosure finish is mill galvanized, however other finishes are available. Consult factory.