

EMI filter connectors - Standard filter values

Deutsch EMI filter connectors can incorporate a wide range of filter configurations and levels, either across the whole connector or specifically pin by pin. This datasheet details the most common values, for which performance curves are readily available on request.

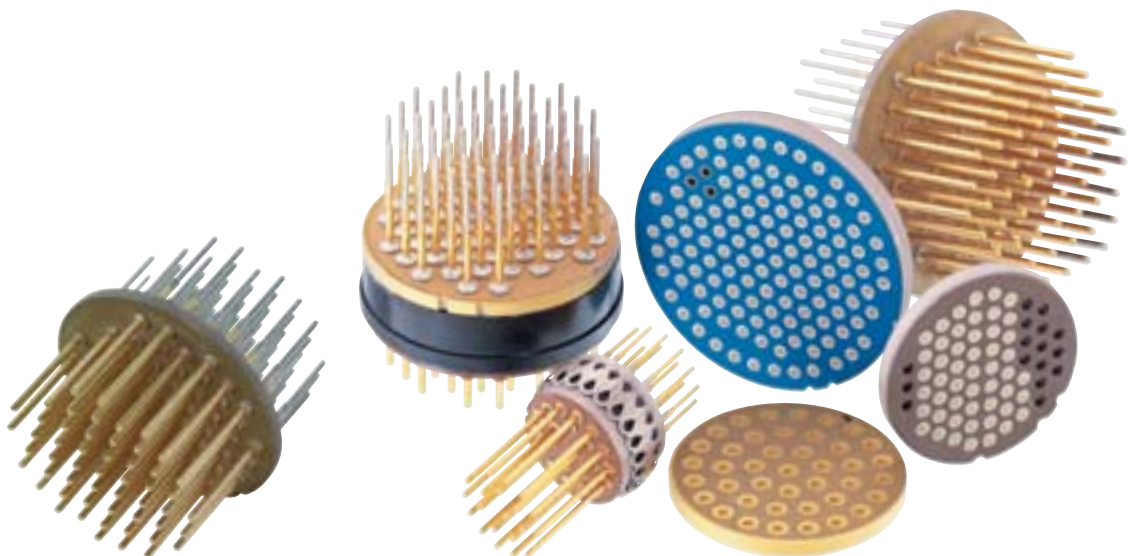


Whilst Deutsch has the ability to offer infinite flexibility in terms of the filter values on each contact within our filter connectors, we do attempt to standardise wherever possible.

This datasheet details the standard filter values and topologies that Deutsch offer. Of these, the highlighted values are the most common.

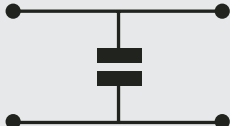
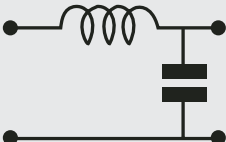
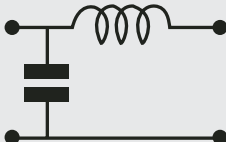
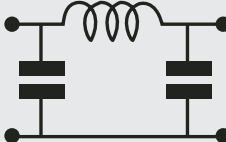
When specifying a filter connector, benefits may be gained by selecting the values of filtering required from this list. If possible, try to utilise the highlighted values first. Other values and configurations are available upon request if your requirements are specific and not catered for in this list.

Note that, due to technical constraints, some combinations may not be available. Deutsch will advise by return should a combination be requested which cannot be provided.



These values are the total nominal capacitance in each topology. Standard tolerance is $\pm 20\%$. Other tolerances are available on request.

Deutsch can also provide standard performance curves for any value of filtering upon request.

C type filter	LC type filter	CL type filter	PI type filter
			
50pF	50pF	50pF	100pF
100pF	100pF	100pF	200pF
250pF	250pF	250pF	500pF
500pF	500pF	500pF	1nF
1nF	1nF	1nF	2nF
1.25nF	1.25nF	1.25nF	2.5nF
1.65nF	1.65nF	1.65nF	3.3nF
2.5nF	2.5nF	2.5nF	5nF
3.25nF	3.25nF	3.25nF	6.5nF
3.75nF	3.75nF	3.75nF	7.5nF
5nF	5nF	5nF	10nF
7.5nF	7.5nF	7.5nF	15nF
10nF	10nF	10nF	20nF
12.5nF	12.5nF	12.5nF	25nF
15nF	15nF	15nF	30nF
20nF	20nF	20nF	40nF
25nF	25nF	25nF	50nF
32.5nF	32.5nF	32.5nF	65nF
40nF	40nF	40nF	80nF
50nF	50nF	50nF	100nF
65nF	65nF	65nF	130nF
100nF	100nF	100nF	200nF
150nF	150nF	150nF	300nF

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