

AC Filter for PCB Mounting Cots Optimized

Standard- or Medical-Filter



Description

- Chassis:
PCB Mounting, from top
- Line filter in standard and medical version, 1-stage, standard attenuation
- For PCB-mounting or quick connect terminals
- Excellent price/performance ratio

Approvals

- VDE Certificate Number: 40004673
- UL File Number: E72928

Characteristics

- Cost-saving plastic housing
- Designed for standard applications
- Protection against interference voltage from the mains
- Possible interferences generated in the equipment are strongly attenuated
- For standard applications
- Qualified for use in equipment according IEC/EN 60950

Other versions on request

- Version with wire connection
- Medical version M80

References

Weblinks

[pdf](#), [General Product Information](#), [Approvals](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Store](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Accessories](#)

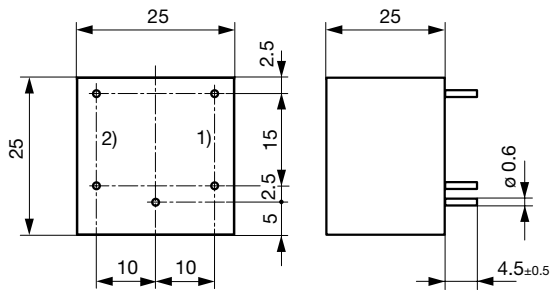
Technical Data

Ratings IEC	0.6 - 6A @ Ta 40 °C / 250VAC; 50Hz
Ratings UL/CSA	0.6 - 6A @ Ta 40 °C / 125VAC; 60Hz
Leakage Current	standard < 0.25mA (250V / 60Hz) medical < 5 µA (250V / 60Hz)
Dielectric Strength	> 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (2 sec)
Allowable Operation Temp.	-25 °C to 85 °C
Climatic Category	25/085/21 acc. to IEC 60068-1
Protection Class	Suitable for appliances with protection class 1 acc. to IEC 61140
Terminal	For PCB mounting, tin-plated
Material: Housing	Thermoplastic, black, UL 94V-0

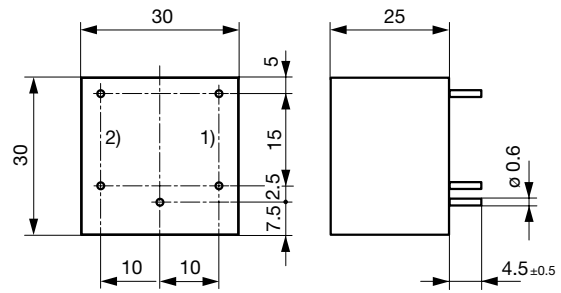
Line Filter	Standard and Medical Version, IEC 60939, IEC 60601-1, UL 1283, UL 544, EN 133 200, CSA C22.2 no. 8 Technical details
MTBF	> 200'000h acc. to MIL-HB-217 F

Dimensions

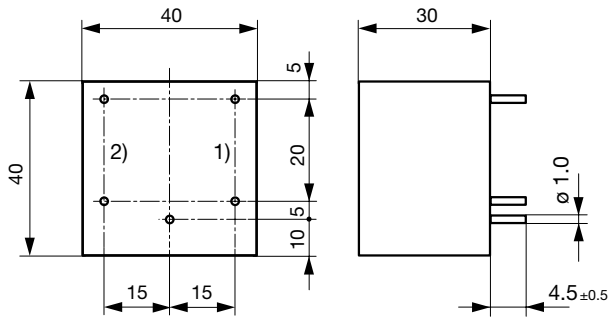
Case 13P



Case 18P



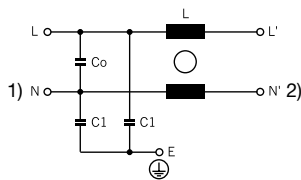
Case 24P



- 1) Line
- 2) Load

Diagrams

S1 standard version



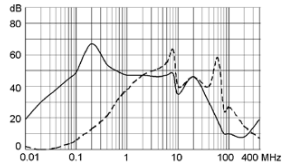
- 1) Line
- 2) Load

Attenuation Loss

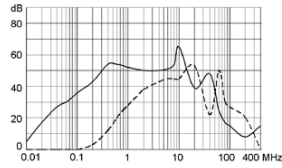
Standard version

0.6 A

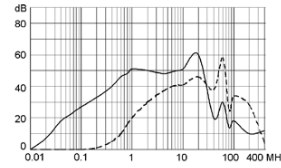
---- differential mode ____ common mode



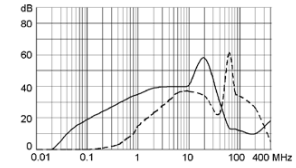
1 A



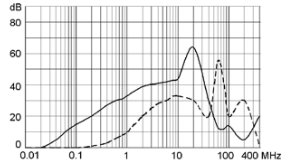
2 A



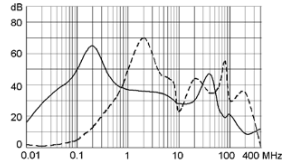
4 A



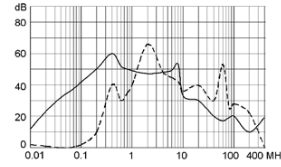
6 A



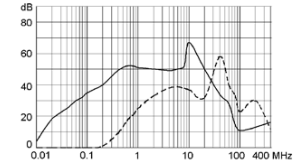
0.7 A



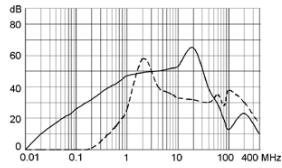
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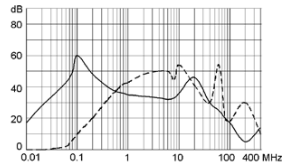
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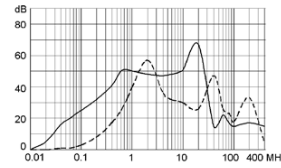
3 A



1 A

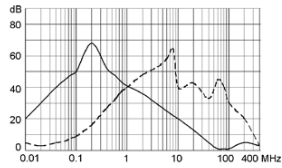


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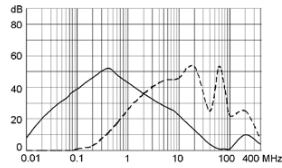


Medical version (M5)

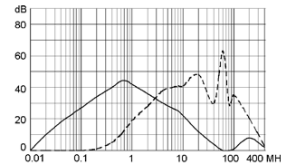
0.6 A



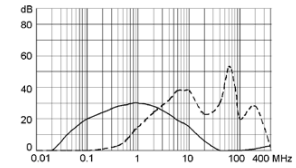
1 A



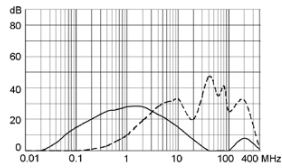
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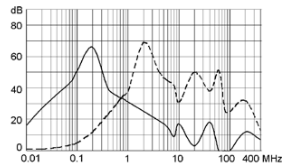
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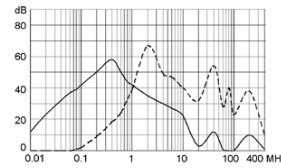
6 A



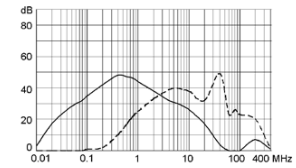
0.7 A



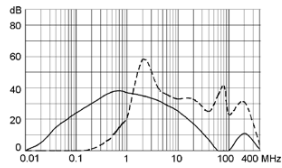
1 A



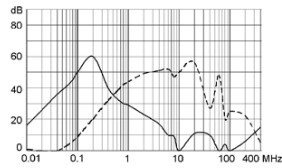
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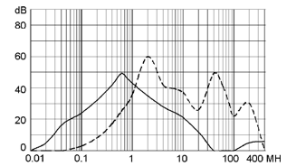
3 A



1 A



3 A



Variants

Rated Current [A]	Filter-Type	L [mH]	Co / C2 (X2) [μF]	C1 (Y2) [nF]	Diagram	Weight [g]	Housing	Order Number
0.6	Standard Version	2 x 40	0.015	2.2	S1	-	13P	5500.2000
1	Standard Version	2 x 10	0.015	2.2	S1	-	13P	5500.2001
2	Standard Version	2 x 4	0.015	2.2	S1	-	13P	5500.2002
4	Standard Version	2 x 1.5	0.015	2.2	S1	-	13P	5500.2003
6	Standard Version	2 x 0.8	0.015	2.2	S1	-	13P	5500.2004
0.7	Standard Version	2 x 40	0.015	2.2	S1	-	18P	5500.2005
1	Standard Version	2 x 20	0.022	2.2	S1	-	18P	5500.2006
2	Standard Version	2 x 6	0.022	2.2	S1	-	18P	5500.2007
3	Standard Version	2 x 3	0.022	2.2	S1	-	18P	5500.2008
1	Standard Version	2 x 30	0.047	2.2	S1	-	24P	5500.2009
3	Standard Version	2 x 4	0.047	2.2	S1	-	24P	5500.2010
0.6	Medical Version (M5)	2 x 40	0.015	-	S1	-	13P	5500.2116
1	Medical Version (M5)	2 x 10	0.015	-	S1	-	13P	5500.2117
2	Medical Version (M5)	2 x 4	0.015	-	S1	-	13P	5500.2118
4	Medical Version (M5)	2 x 1.5	0.015	-	S1	-	13P	5500.2119
6	Medical Version (M5)	2 x 0.8	0.015	-	S1	-	13P	5500.2120
0.7	Medical Version (M5)	2 x 40	0.015	-	S1	-	18P	5500.2121
1	Medical Version (M5)	2 x 20	0.022	-	S1	-	18P	5500.2122
2	Medical Version (M5)	2 x 6	0.022	-	S1	-	18P	5500.2123
3	Medical Version (M5)	2 x 3	0.022	-	S1	-	18P	5500.2124
1	Medical Version (M5)	2 x 30	0.047	-	S1	-	24P	5500.2125
3	Medical Version (M5)	2 x 4	0.047	-	S1	-	24P	5500.2126

Packaging unit 50 Pcs