

AC Filter for PCB Mounting Cost 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
- Suitable for use in equipment according to IEC/UL 60950

Other versions on request

- Version with wire connection
- Medical version M80

References

Alternative: Standard version

Weblinks

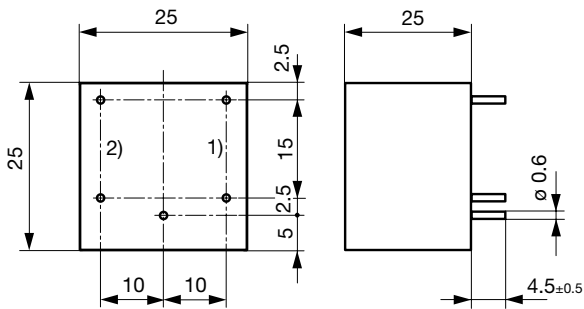
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

Technical Data

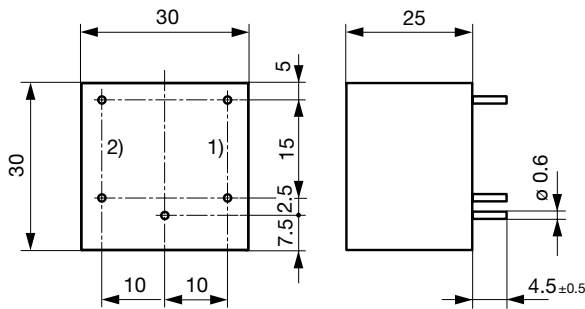
Ratings IEC	0.6 - 6A @ Ta 40 °C / 250VAC; 50Hz
Ratings UL/CSA	0.6 - 6A @ Ta 40 °C / 125VAC; 60Hz
Leakage Current	standard < 0.25 mA (250V / 60Hz) medical < 5 µA (250 V / 60 Hz)
Dielectric Strength	> 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (2 sec)
Allowable Operation Temp.	-25 °C to 85 °C
Climatic Category	25/085/21 acc. to IEC 60068-1
Protection Class	Suitable for appliances with protection class I 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, UL 1283, CSA C22.2 no. 8 Technical Details
MTBF	> 200'000h acc. to MIL-HB-217 F

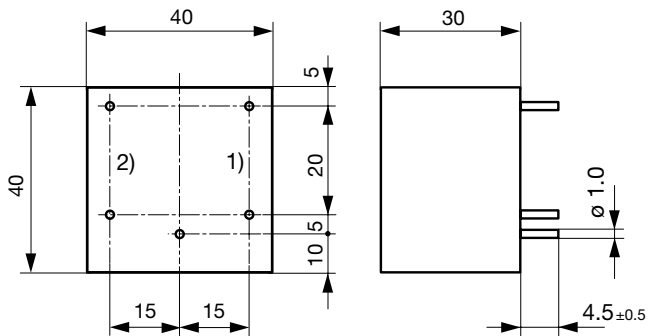
Dimension
Case 13P



Case 18P



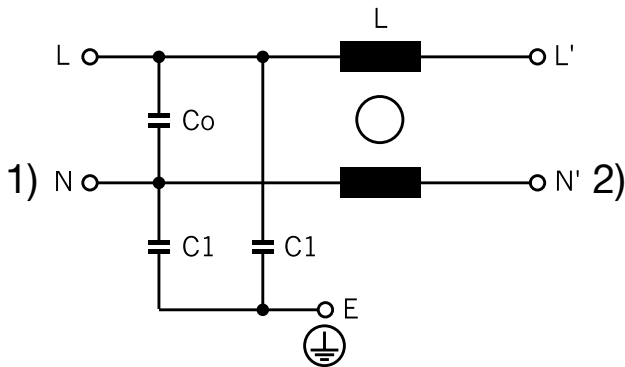
Case 24P



- 1) Line
- 2) Load

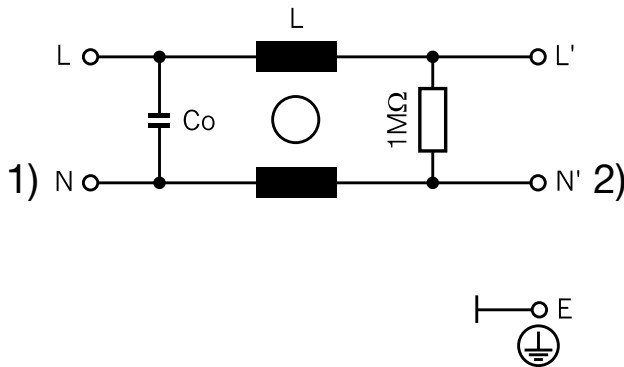
Diagrams

S1 standard version



- 1) Line
- 2) Load

S2 medical version



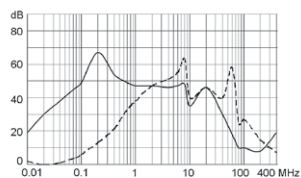
- 1) Line
- 2) Load

Attenuation Loss

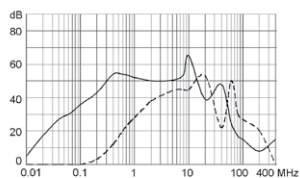
Standard version

0.6 A

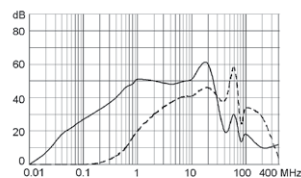
--- differential mode — common mode



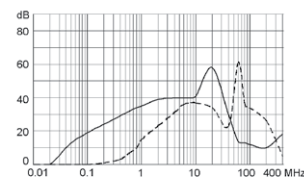
1 A



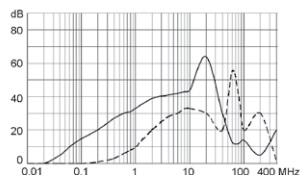
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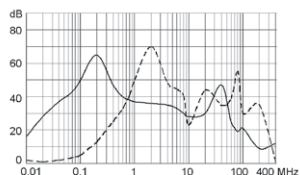
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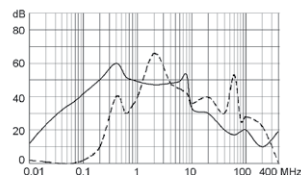
6 A



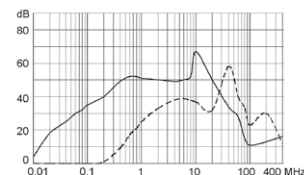
0.7 A



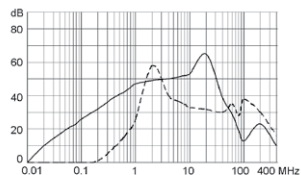
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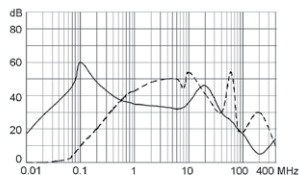
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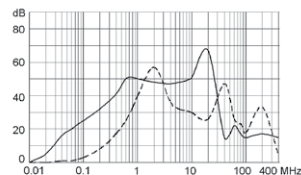
3 A



1 A

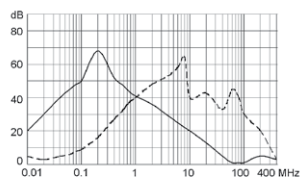


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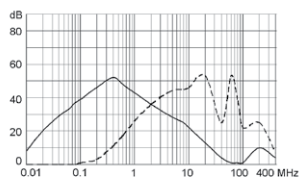


Medical version (M5)

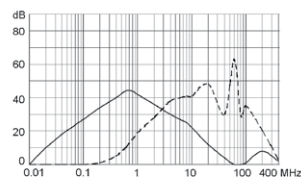
0.6 A



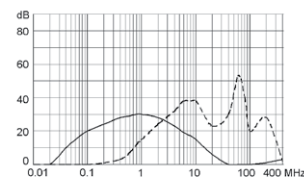
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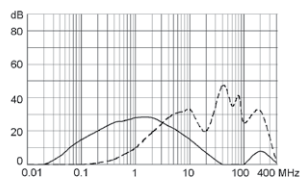
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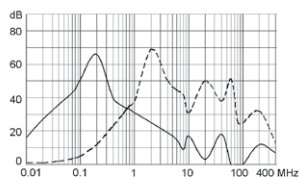
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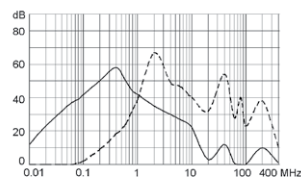
6 A



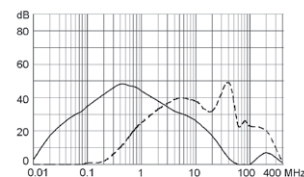
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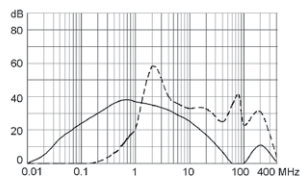
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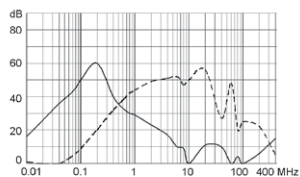
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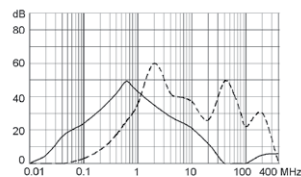
3 A



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	27 g	13P	5500.2000	■
1	Standard Version	2 x 10	0.015	2.2	S1	27 g	13P	5500.2001	■
2	Standard Version	2 x 4	0.015	2.2	S1	27 g	13P	5500.2002	■
4	Standard Version	2 x 1.5	0.015	2.2	S1	27 g	13P	5500.2003	
6	Standard Version	2 x 0.8	0.015	2.2	S1	35 g	13P	5500.2004	
0.7	Standard Version	2 x 40	0.015	2.2	S1	32 g	18P	5500.2005	
1	Standard Version	2 x 20	0.022	2.2	S1	32 g	18P	5500.2006	
2	Standard Version	2 x 6	0.022	2.2	S1	32 g	18P	5500.2007	
3	Standard Version	2 x 3	0.022	2.2	S1	32 g	18P	5500.2008	
1	Standard Version	2 x 30	0.047	2.2	S1	78 g	24P	5500.2009	
3	Standard Version	2 x 4	0.047	2.2	S1	78 g	24P	5500.2010	
0.6	Medical Version (M5)	2 x 40	0.015	-	S2	35 g	13P	5500.2116	
1	Medical Version (M5)	2 x 10	0.015	-	S2	35 g	13P	5500.2117	
2	Medical Version (M5)	2 x 4	0.015	-	S2	25.5 g	13P	5500.2118	
4	Medical Version (M5)	2 x 1.5	0.015	-	S2	35 g	13P	5500.2119	
6	Medical Version (M5)	2 x 0.8	0.015	-	S2	35 g	13P	5500.2120	
0.7	Medical Version (M5)	2 x 40	0.015	-	S2	45 g	18P	5500.2121	
1	Medical Version (M5)	2 x 20	0.022	-	S2	45 g	18P	5500.2122	
2	Medical Version (M5)	2 x 6	0.022	-	S2	45 g	18P	5500.2123	
3	Medical Version (M5)	2 x 3	0.022	-	S2	45 g	18P	5500.2124	
1	Medical Version (M5)	2 x 30	0.047	-	S2	78 g	24P	5500.2125	
3	Medical Version (M5)	2 x 4	0.047	-	S2	78 g	24P	5500.2126	

■ Most Popular.

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Packaging unit 50 Pcs