

AC Filter for PCB Mounting

Standard- or Medical-Filter



Shield



Description

- Line filter in standard and medical version

Approvals

- VDE Certificate Number: 101307
- UL File Number: E72928

Characteristics

- Ultra-compact design
- Shield available separately (German silver)
- Suitable for use in equipment according to IEC/UL 60950
- Suitable for use in medical equipment according to IEC/UL 60601-1

Weblinks

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

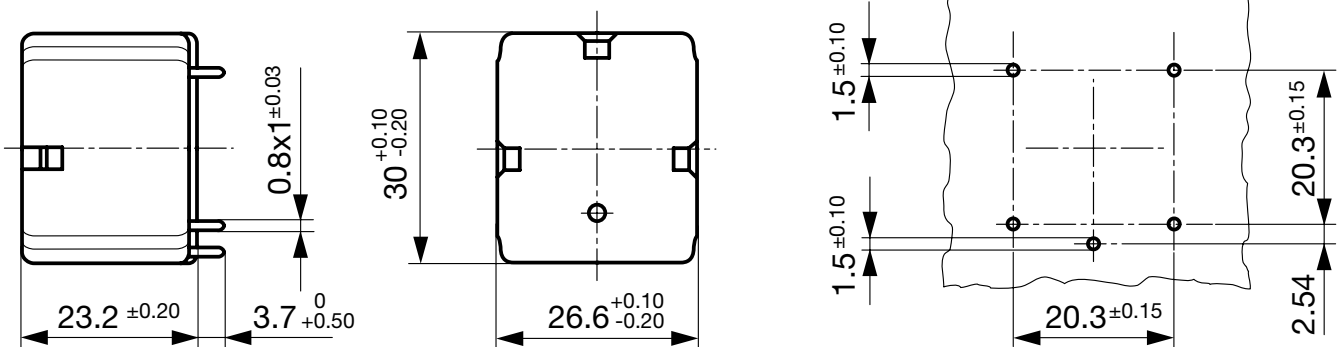
Technical Data

Ratings IEC	1 - 10A @ Ta 40 °C / 250VAC; 50Hz
Ratings UL/CSA	1 - 10A @ Ta 40 °C / 125VAC; 60Hz
Leakage Current	standard < 0.5mA (250V / 60Hz) medical < 5 µA (250 V / 60 Hz)
Dielectric Strength	> 2.7 kVDC between L-N > 1.7 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, UL 94V-0

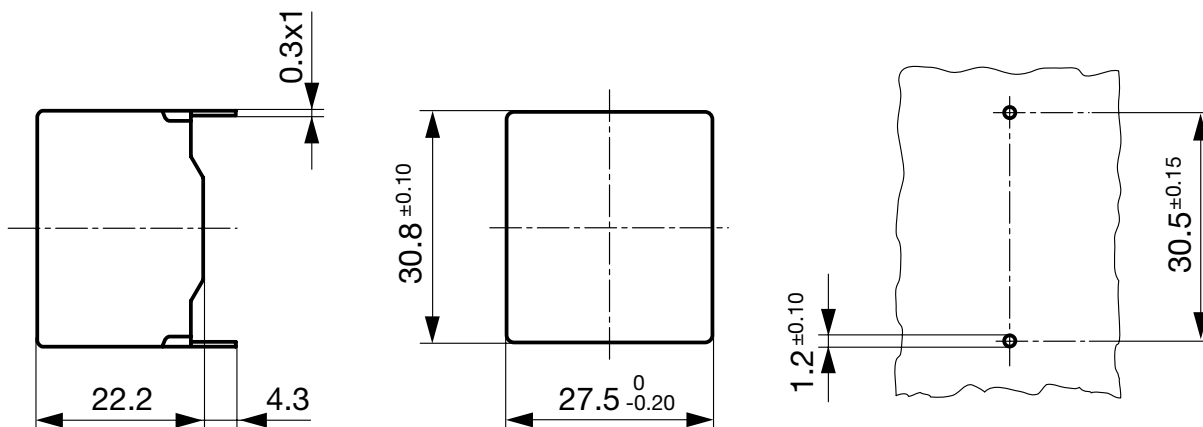
Line Filter	Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details
MTBF	> 5'900'000 h acc. to MIL-HB-217 F

Dimension

Line Filter



1600 A / 520 V



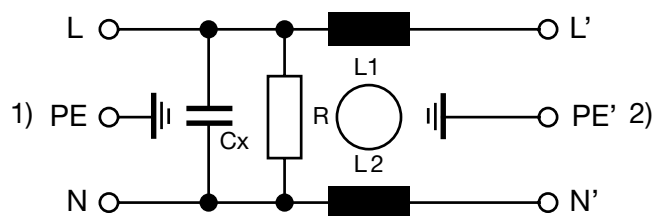
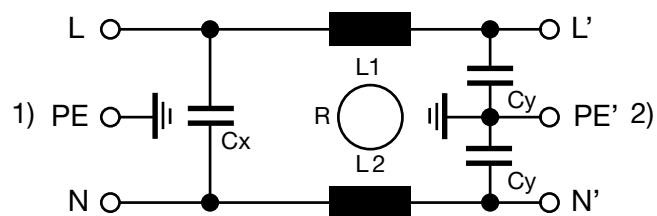
Technical Data of Filter-Components

Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacitance CY [nF]	R [MΩ]
1	Standard Version	2 x 11	47	2.2	-
2	Standard Version	2 x 4	47	2.2	-
4	Standard Version	2 x 1.6	47	2.2	-
6	Standard Version	2 x 0.7	47	2.2	-
8	Standard Version	2 x 0.5	47	2.2	-
10	Standard Version	2 x 0.3	47	2.2	-
1	Medical Version (M5)	2 x 11	47	-	1
2	Medical Version (M5)	2 x 4	47	-	1
4	Medical Version (M5)	2 x 1.6	47	-	1
6	Medical Version (M5)	2 x 0.7	47	-	1
8	Medical Version (M5)	2 x 0.5	47	-	1
10	Medical Version (M5)	2 x 0.3	47	-	1

Diagrams

Standard version

Medical version (M5)



1) Line
2) Load

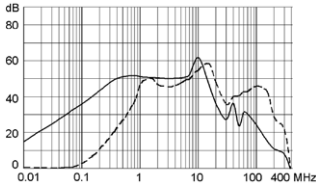
1) Line
2) Load

Attenuation Loss

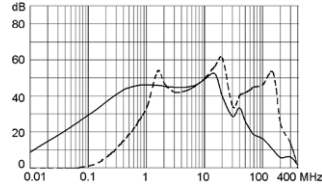
--- 50Ω differential mode — 50Ω common mode

Standard version

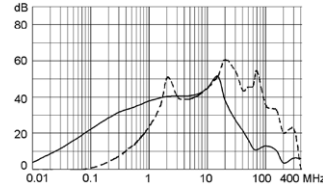
1 A



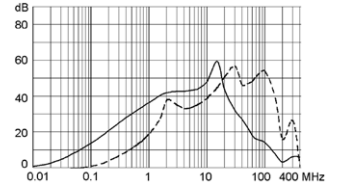
2 A



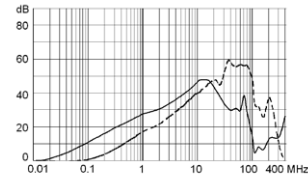
4 A



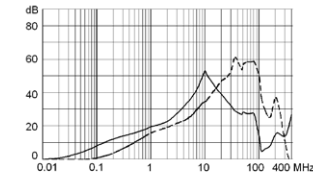
6 A



8 A

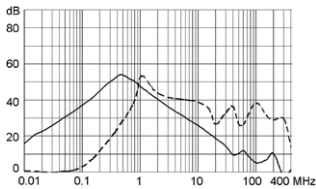


10 A

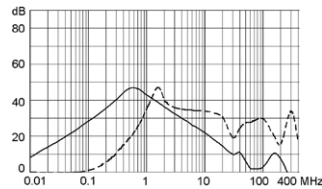


Medical version (M5)

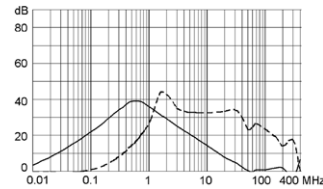
1 A



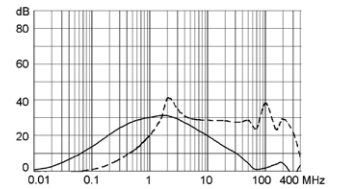
2 A



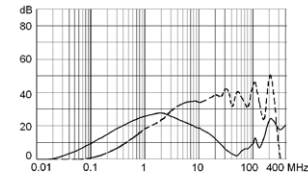
4 A



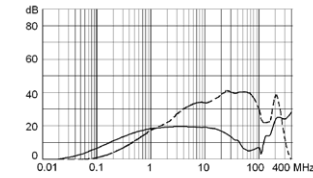
6 A



8 A



10 A



All Variants

Rated Current [A]	Filter-Type	EMC-Shielding	Weight [g]	Order Number
-	-	Shield	20 g	5500.0001
1	Standard Version	Without EMC-shield	35 g	5500.0155.1
2	Standard Version	Without EMC-shield	35 g	5500.0255.1
4	Standard Version	Without EMC-shield	35 g	5500.0455.1
6	Standard Version	Without EMC-shield	35 g	5500.0655.1
8	Standard Version	Without EMC-shield	40 g	5500.0855.1
10	Standard Version	Without EMC-shield	35 g	5500.1055.1
1	Medical Version (M5)	Without EMC-shield	35 g	5500.0155.3
2	Medical Version (M5)	Without EMC-shield	35 g	5500.0255.3
4	Medical Version (M5)	Without EMC-shield	35 g	5500.0455.3
6	Medical Version (M5)	Without EMC-shield	35 g	5500.0655.3
8	Medical Version (M5)	Without EMC-shield	35 g	5500.0855.3
10	Medical Version (M5)	Without EMC-shield	35 g	5500.1055.3

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