

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

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

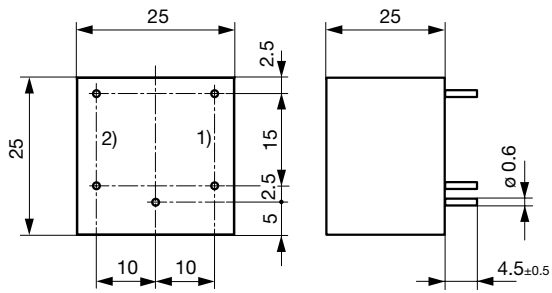
Technical Data

| | |
|---------------------------|--|
| 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 | > 1.7kVDC between L-N > 2.7kVDC between L/N-PE Test voltage (2sec) |
| 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 |

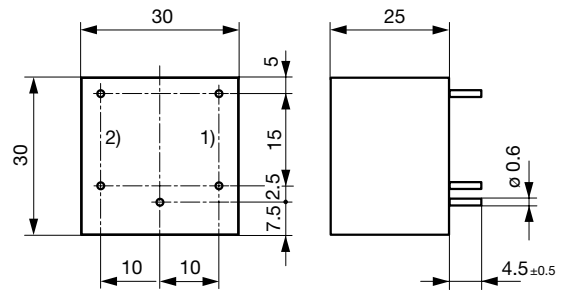
| | |
|-------------|---|
| Line Filter | Standard and Medical Version, IEC 60939, IEC 60601-1, UL 1283, UL 544, EN 133 200, CSA C22.2 no. 8 Technical details |
| MTBF | > 200'000h acc. to MIL-HB-217 F |

Dimensions

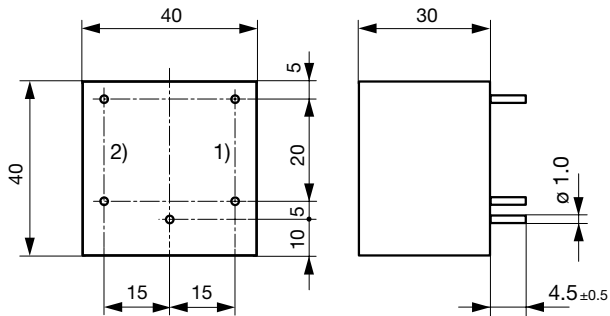
Case 13P



Case 18P



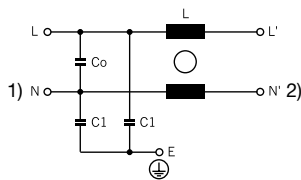
Case 24P



- 1) Line
- 2) Load

Diagrams

S1 standard version



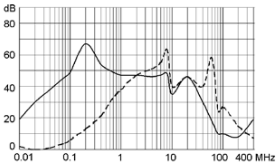
- 1) Line
- 2) Load

Attenuation Loss

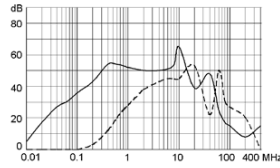
..... 0.1/100Ω differential mode 100/0.1Ω differential mode - - - - differential mode ____ common mode

Standard version

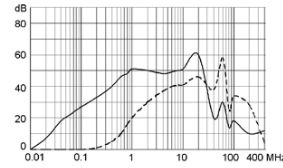
0.6 A



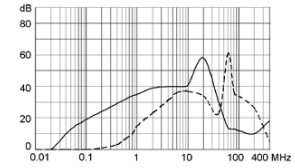
1 A



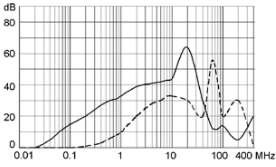
2 A



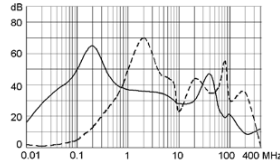
4 A



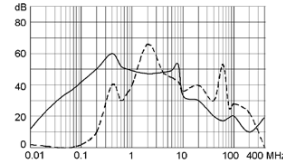
6 A



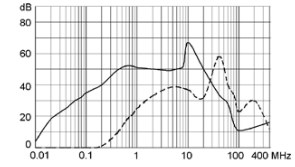
0.7 A



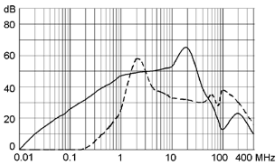
1 A



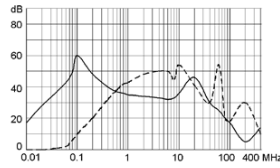
2 A



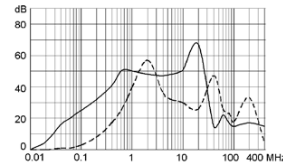
3 A



1 A

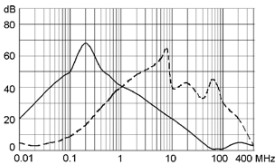


3 A

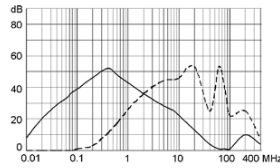


Medical version (M5)

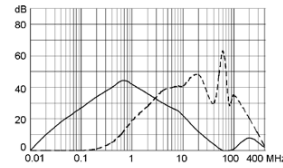
0.6 A



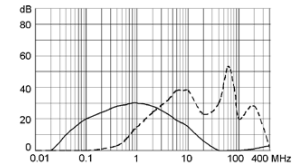
1 A



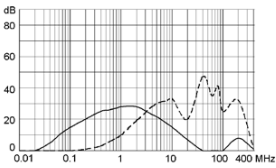
2 A



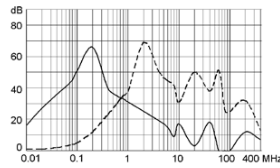
4 A



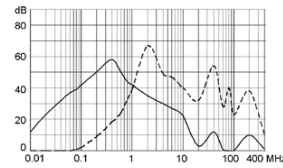
6 A



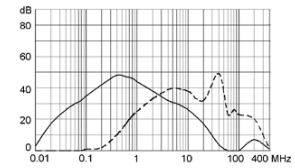
0.7 A



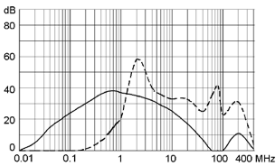
1 A



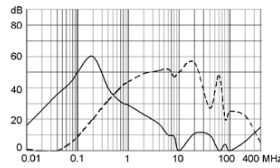
2 A



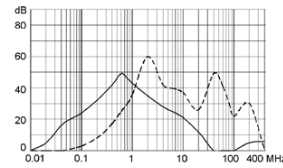
3 A



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

Packaging unit 50 Pcs