

AC Filter for PCB Mounting in Flat Aluminum Housing

Standard- or Medical-Filter



### Description

- Chassis:  
PCB Mounting, from top
- Line filter in standard and medical version, 1-stage, standard attenuation
- For PCB mounting

### Approvals

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

### Characteristics

- Aluminum case provides good shielding
- Designed for standard applications
- Protection against interference voltage from the mains  
Possible interferences generated in the equipment are strongly attenuated
- Universal line filter for standard applications
- Qualified for use in equipment according IEC/EN 60950

### Other versions on request

- Medical version M80

### References

Alternative: Standard version

### Weblinks

[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [CAD-Drawings](#), [Accessories](#), [Detailed request for product](#)

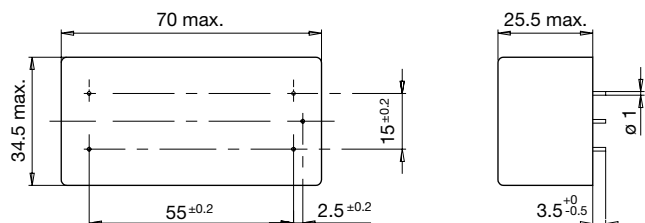
### Technical Data

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Ratings IEC               | 2 - 16 A @ Ta 40 °C / 250 VAC; 50 Hz                                        |
| Ratings UL/CSA            | 2 - 16 A @ Ta 40 °C / 125 VAC; 60 Hz                                        |
| Leakage Current           | standard < 0.5 mA (250 V / 60 Hz)                                           |
| Dielectric Strength       | > 1.7 kVDC between L-N<br>> 2.7 kVDC between L/N-PE<br>Test voltage (2 sec) |
| Allowable Operation Temp. | -25 °C to 100 °C                                                            |
| Climatic Category         | 25/100/21 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         | Aluminum                                                                    |

|             |                                                                                                                                         |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Line Filter | Standard and Medical Version, IEC 60939, IEC 60601-1, UL 1283, UL 544, EN 133 200, CSA C22.2 no. 8<br><a href="#">Technical Details</a> |
| MTBF        | > 200'000 h acc. to MIL-HB-217 F                                                                                                        |

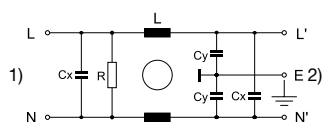
## Dimensions

Case 72



## Diagrams

Standard version



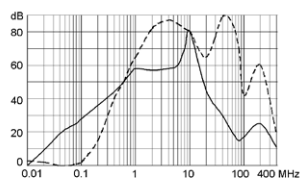
- 1) Line
- 2) Load

## Attenuation Loss

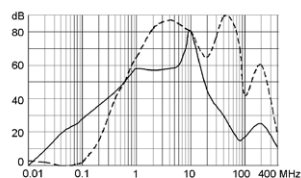
Standard version

- - - - differential mode    \_\_\_\_ common mode

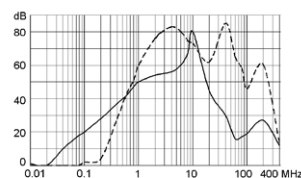
2 A



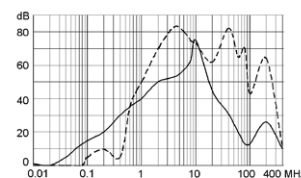
4 A



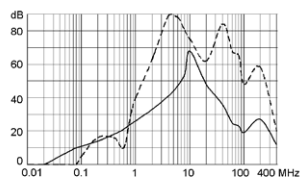
6 A



10 A

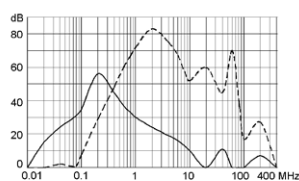


16 A

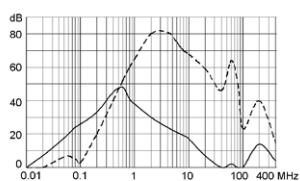


Medical version (M5)

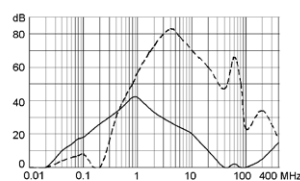
2 A



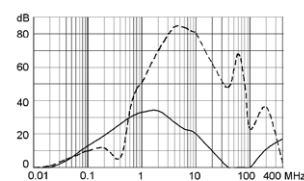
4 A



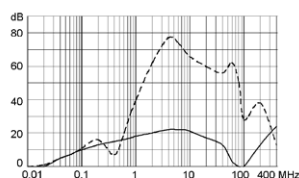
6 A



10 A



16 A



## Variants

| Rated Current [A] | Filter-Type           | L [mH]   | Cx (X2) [nF] | Cy (Y2) [nF] | R [MΩ] | Weight [g] | Housing | Order Number |
|-------------------|-----------------------|----------|--------------|--------------|--------|------------|---------|--------------|
| 2                 | Standard Version      | 2 x 8    | 100          | 4.7          | 1      | -          | 72      | 5500.2021    |
| 4                 | Standard Version      | 2 x 3.5  | 100          | 4.7          | 1      | -          | 72      | 5500.2022    |
| 6                 | Standard Version      | 2 x 1.8  | 100          | 4.7          | 1      | -          | 72      | 5500.2023    |
| 10                | Standard Version      | 2 x 0.82 | 100          | 4.7          | 1      | -          | 72      | 5500.2024    |
| 16                | Standard Version      | 2 x 0.65 | 100          | 4.7          | 1      | -          | 72      | 5500.2025    |
| 2                 | Medical Version (M5)  | 2 x 8    | 100          | -            | 1      | -          | 72      | 5500.2106    |
| 4                 | Medical Version (M5)  | 2 x 3.5  | 100          | -            | 1      | -          | 72      | 5500.2107    |
| 6                 | Medical Version (M5)  | 2 x 1.8  | 100          | -            | 1      | -          | 72      | 5500.2108    |
| 10                | Medical Version (M5)  | 2 x 0.82 | 100          | -            | 1      | -          | 72      | 5500.2109    |
| 16                | Medical Version (M5)  | 2 x 0.65 | 100          | -            | 1      | -          | 72      | 5500.2110    |
| 2                 | Medical Version (M80) | -        | -            | -            | -      | -          | 72      | 5500.2111    |
| 4                 | Medical Version (M80) | -        | -            | -            | -      | -          | 72      | 5500.2112    |
| 6                 | Medical Version (M80) | -        | -            | -            | -      | -          | 72      | 5500.2113    |
| 10                | Medical Version (M80) | -        | -            | -            | -      | -          | 72      | 5500.2114    |
| 16                | Medical Version (M80) | -        | -            | -            | -      | -          | 72      | 5500.2115    |

Packaging unit 10 Pcs