FMAB-72

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

Weblinks

pdf, html, General Product Information, Approvals, RoHS, CHINA-RoHS, Mating Connectors, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check, Accessories

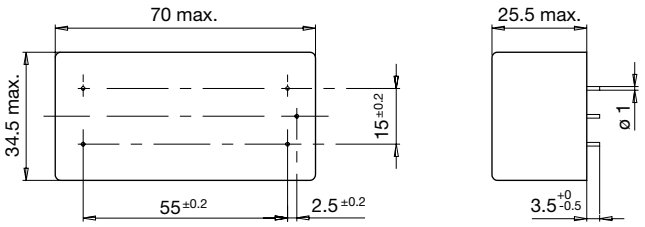
Technical Data

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 > 2.7 kVDC between L/N-PE 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 1 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 Technical details
MTBF	> 200'000 h acc. to MIL-HB-217 F

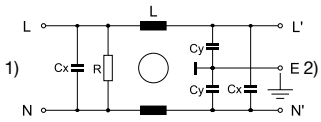
Dimensions

Case 72



Diagrams

Standard version



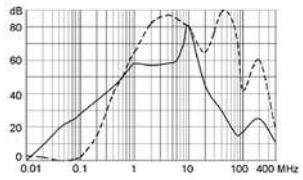
1) Line
2) Load

Attenuation Loss

- - - - differential mode _____ common mode

Standard version

2 A



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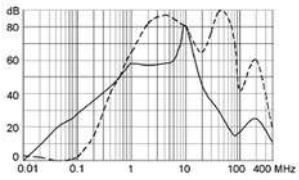
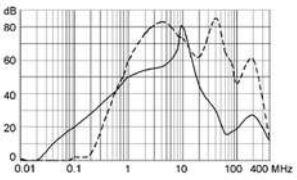


6 A



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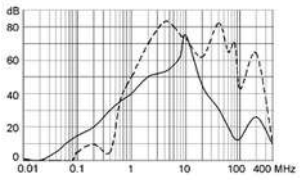

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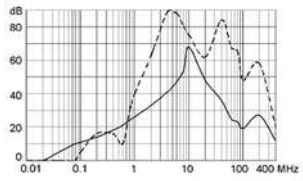
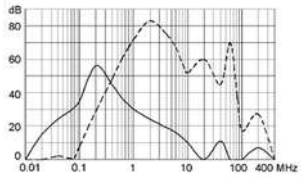


Medical version (M5)

2 A



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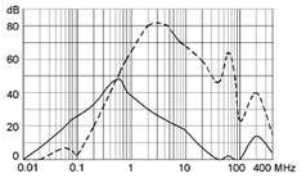

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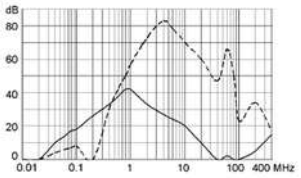

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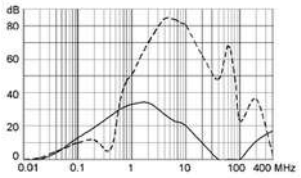

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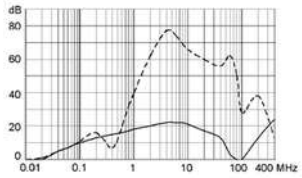

Variants

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

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments.