

AC Filter 2-Stage, Very High Symmetrical Attenuation



**Description**

- Line-filter in standard version
- 2 positions
- very high attenuation, broadband

**Approvals**

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

**Characteristics**

- Designed for increased requirements
- 2-stage line filter with increased attenuation
- Protection against interference voltage from the mains
- Possible interferences generated in the equipment are strongly attenuated
- Especially suitable for use in switching power supplies
- e.g. in electronic designs with high repetitive switching frequency
- Suitable for use in equipment according to IEC/UL 60950

**References**

Alternative: Standard version

**Weblinks**

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

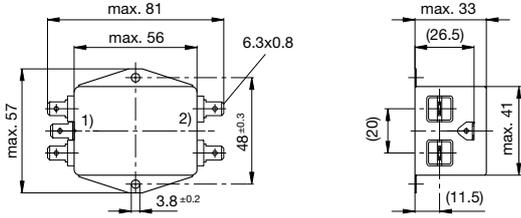
**Technical Data**

Ratings IEC	1 - 16A @ Ta 40 °C / 250VAC; 50Hz
Ratings UL/CSA	1 - 16A @ Ta 40 °C / 125/250VAC; 60Hz
Leakage Current	industrial < 1.4mA (250V / 60Hz)
Dielectric Strength	> 1.7kVDC between L-N > 2.7kVDC 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 I acc. to IEC 61140
Terminal	Quick connect terminals 6.3 x 0.8 mm or screw terminals
Material: Housing	Aluminum

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

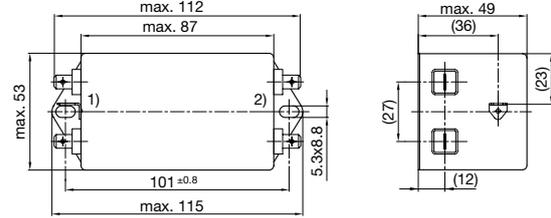
Dimension

Case 10



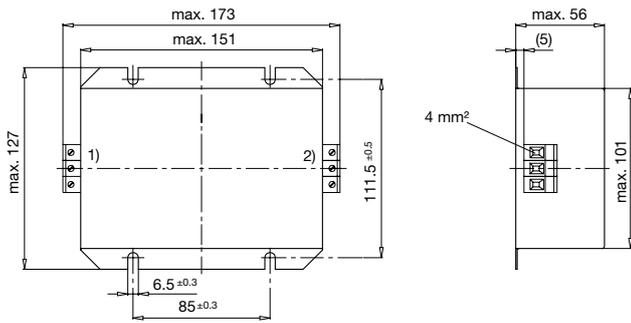
1) Line  
2) Load

Case 19



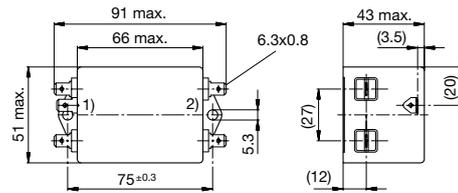
1) Line  
2) Load

Case 27



1) Line  
2) Load

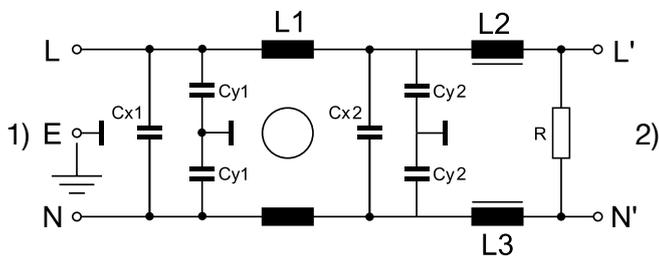
Case 48



1) Line  
2) Load

Diagrams

Standard version



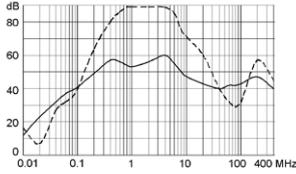
1) Line  
2) Load

**Attenuation Loss**

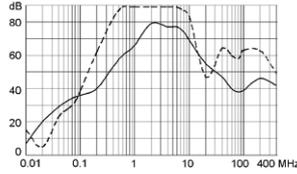
----- 50Ω differential mode    \_\_\_\_\_ 50Ω common mode

Standard version

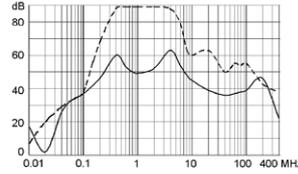
1 A



2 A

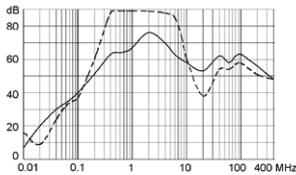


3 A

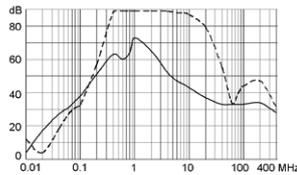


Industrial version

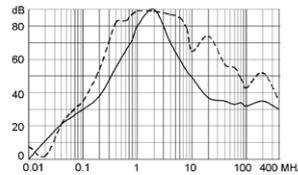
4 A



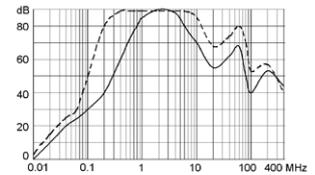
6 A



10 A



16 A



Rated Current [A]	Filter-Type	Leakage Current [mA]	L1 [mH]	L2 [mH]	L3 [mH]	Cx1 [µF]	Cx2 [µF]	Cy1 [nF]	Cy2 [nF]	R [MΩ]	Weight [g]	Housings	Order Number
1	Standard Version	0.25	2 x 15	1	-	0.1	0.47	1.5	1	1	121 g	10	5500.2051
2	Standard Version	0.25	2 x 10	0.4	0.4	0.1	0.47	1.5	1	1	121 g	10	5500.2052
3	Standard Version	0.25	2 x 12	1	-	0.1	0.68	1.5	1	1	275 g	48	5500.2053
4	Industrial Version	1.4	2 x 10	0.8	-	0.1	0.68	10	4.7	1	275 g	48	5500.2054
6	Industrial Version	1.4	2 x 6	0.5	-	0.1	0.68	10	4.7	1	284 g	48	5500.2055
10	Industrial Version	1.4	2 x 5	0.2	0.2	0.1	1	10	4.7	1	529 g	19	5500.2056
16	Industrial Version	1.4	2 x 4	0.2	0.2	0.47	2.2	10	4.7	1	2000 g	27	5500.2057

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**Packaging unit**      10 Pcs

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[5500.2052](#) [5500.2051](#) [5500.2056](#) [5500.2055](#) [5500.2054](#) [5500.2053](#) [5500.2057](#)