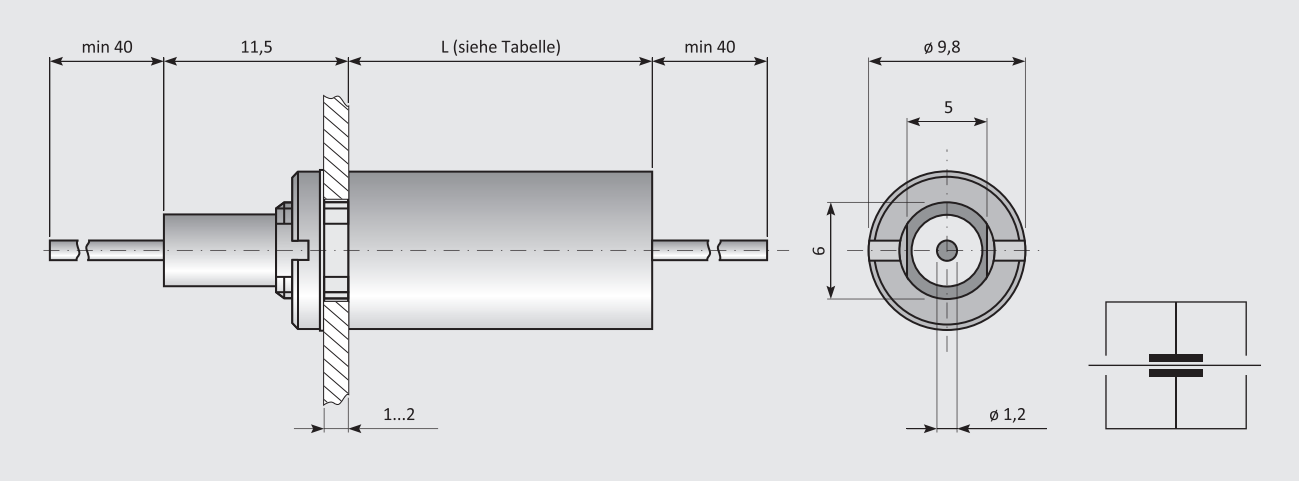
Feedthrough Capacitor up to 15A

Drawing and Circuit diagramm (in mm)



Characteristics

Feedthrough Capacitors which are connected to the housing only offer protection against common-mode interference which is the result of potential differences in the grounding grid.
The attenuation is generally not recorded because it is linear.
The value of critical frequency fg has to be determined where the attenuation starts:

$fg = 1/(2*\pi*R*C)$

In general the value for the resistor R lies between 1 and 200 Ω. In practice the average of 50 Ω has proved to be the most reliable. After fg the attenuation rises by 20 dB/decade .

Typical sample applications are power supply of HF-Generators or screened cabinets.

Technical Details

Mounting thread	M6 x 0.5
Fixing Torque	2 Nm
Climatic category	acc. DIN IEC 68 Part 1: 40 / 085 / 56 (-40 °C / +85 °C / 56 days humidity test)
Case material	brass 0.15mm
Connection	lead wire Ø1.2mm
Flammability	V-0 acc. IEC 950
Weight	see table
Fixing hole	see drawing
Fixing thickness	1...2 mm
Design	dry, self-healing
Capacitance tolerance	± 10%

Models and Ordering Data

Feedthrough Capacitor up to 15A according EN 132400							
Article No.	**Rated current**	**Rated voltage**		**Capacitance**	**Test voltage**	**Length L**	**Weight**
A14 x 31.01	15 A	350 V DC	250 V AC 50/60Hz	5 nF	1500 V DC, 2s	15mm	7,5g
A14 x 31.02	15 A	350 V DC	250 V AC 50/60Hz	15 nF	1500 V DC, 2s	15mm	7,5g
A14 x 31.03	15 A	350 V DC	250 V AC 50/60Hz	180 nF	1000 V DC, 2s	15mm	7,5g
A14 x 31.04	15 A	150 V DC	100 V AC 50/60Hz	1200 nF	250 V DC, 2s	15mm	7,5g
A14 x 31.11	15 A	350 V DC	250 V AC 50/60Hz	50 nF	1000 V DC, 2s	7mm	4g
A14 x 31.12	15 A	250 V DC	150 V AC 50/60Hz	200 nF	500 V DC, 2s	7mm	4g
A14 x 31.13	15 A	350 V DC	100 V AC 50/60Hz	500 nF	250 V DC, 2s	7mm	4g
A14 x 31.14	15 A	150 V DC	200 V AC 50/60Hz	22 nF	1000 V DC, 2s	7mm	4g

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