



EMI Suppression Capacitors

X Capacitors B81551

Data Sheet

<http://www.epcos.com>

X capacitors, metal or ceramic case
Rated voltage up to 800 Vdc/440 Vac (50/60 Hz)



Construction

- MP technology
 - Dielectric: oil-impregnated paper (free of PCB)
 - Electrodes: metallized paper
 - Metal case, hermetically soldered
- MKT technology
 - Electrodes/dielectric: metallized polyester
 - Dry, resin-protected
 - Ceramic case

Features

- Self-healing properties
- High operational reliability

Terminals

- Threaded stud M 6

Marking

Manufacturer, ordering code,
rated capacitance, interference suppression sub-class,
rated voltage, climatic category
date of manufacture

Standards

The capacitors comply with VDE 0565-1

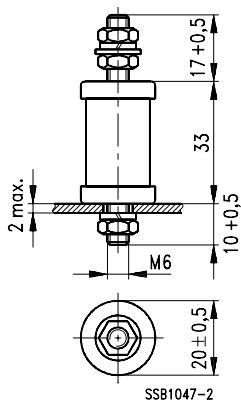
Mounting information

To obtain effective broadband interference suppression,
the connection between capacitor and protected line
must be as short as possible (low inductance).

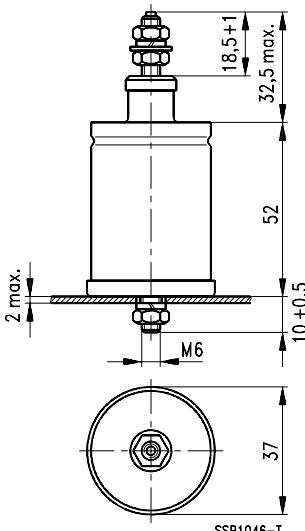
The flexible connecting line must be attached by fixing
it between two counter nuts to avoid exposing the
ceramic parts to torque load.

Dimensional drawings
B81551-A-C9

Ceramic case


B81551-A-B16

Metal case


Mounting hole \varnothing 7mm

Torque 2,5 Nm max.

Nuts, washers and spring rings included in delivery.

Technical data

Test voltage V_P	Terminal/terminal (layer/layer)	
Insulation resistance R_{is}	$\geq 5000 \text{ M}\Omega$	
Capacitance tolerance	$\pm 20 \text{ \%}$	
Climatic category	In accordance with IEC 68-1 40/085/56 ($-40 \text{ }^\circ\text{C}/+85 \text{ }^\circ\text{C}$ /56 days damp heat test)	

Characteristics and ordering codes

Class ¹⁾	C_R μF	V_R Vdc/Vac 50/60 Hz	Vac 400 Hz	V_P Vdc, 2 s	Dimens. $d \times l$ mm	Approx. weight g	PU pcs.	Ordering code
X2	0,6 (MP)	800/440	220	2500	37 × 52	120	36	B81551-A-B16
X2	1,0 (MKT)	125/50	–	350	20 × 33	30	100	B81551-A-C9

¹⁾ In accordance with VDE 0565-1

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This brochure replaces the previous edition.

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