



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

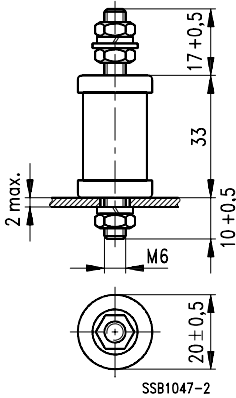
To obtain effective broadband interference suppression, the connection between capacitor and protected line must be as short as possible (low inductance).

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

Dimensional drawings

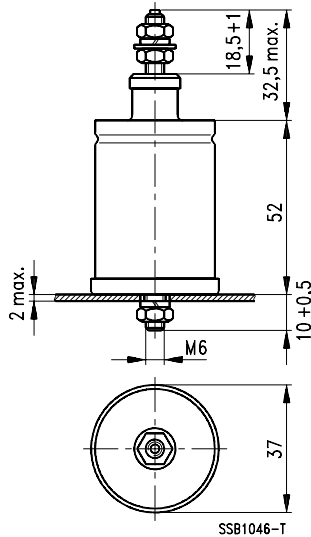
B81551-A-C9

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 | $\pm 20 \%$ |
| Climatic category | In accordance with IEC 68-1 40/085/56 (−40 °C/+85 °C/56 days damp heat test) |

Characteristics and ordering codes

| Class ¹⁾ | C_R | V_R | | V_P | Dimens. | Approx. | PU | Ordering code |
|---------------------|---------------|---------------------|---------------|----------|--------------------|-------------|------|---------------|
| | μF | Vdc/Vac 50/60 Hz | Vac 400 Hz | Vdc, 2 s | $d \times l$ mm | weight g | pcs. | |
| 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

Published by EPCOS AG**Marketing Communications, P.O. Box 80 17 09, 81617 Munich, GERMANY**

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This brochure replaces the previous edition.

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