

I Core Chokes

Rated voltage 500 Vac/600 Vdc
Rated current 0,2 to 2 A
Rated inductance 0,68 to 82 mH


Construction

- Rectangular plastic case
- Resin potting

Features

- Low power dissipation
- Broadband interference suppression
- Compact design

Applications

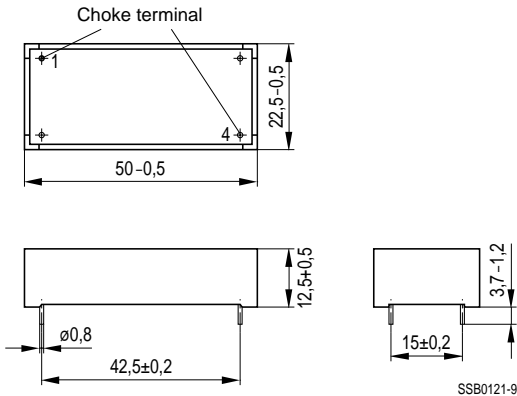
- Attenuation of differential and common-mode interference
- High-performance power supplies
- Industrial applications

Terminals

- Pins fitting standard PCB grid

Marking

Manufacturer, ordering code,
 rated inductance, rated voltage, rated current

Dimensional drawing


I Core Chokes
General technical data

Inductance tolerance	$\pm 20 \%$
Rated current I_R	Referred to 50 Hz and 60 °C ambient temperature
DC resistance R_{typ}	Typical value, measured at 20 °C ambient temperature
Climatic category	40/125/56 (– 40 °C/+ 125 °C/56 days damp heat test) in accordance with IEC 60068-1
Permissible operating current at 400 Hz	$0,75 \cdot I_R$
Weight	Approx. 40 g

For further technical [see page 308](#)

Characteristics and ordering codes

I_R A	L_R mH	R_{typ} Ω	Ordering code
0,2	82	45	B82502-W-C2
0,5	15	8,5	B82502-W-C5
1	3,3	1,9	B82502-W-C8
2	0,68	0,55	B82502-W-C10

**Impedance $|Z|$
versus frequency f**
