

Harmonic chokes

Rated voltage 250 Vac / 350 Vdc

Rated current 1 A to 10 A

Rated inductance 0,18 to 40 mH

Construction

- Ring core choke with iron powder core
- Two sizes (B826*5 and B826*7)
- Single and double chokes in each size
- Plastic case
- Complete resin potting



Features

- Case and potting flame-retardant as per UL 94 V-0
- High attenuation of differential-mode interference at low frequencies

Applications

- Reduction of harmonics, e.g. in
 - washing machines
 - TV sets, PCs
 - household appliances

Terminals

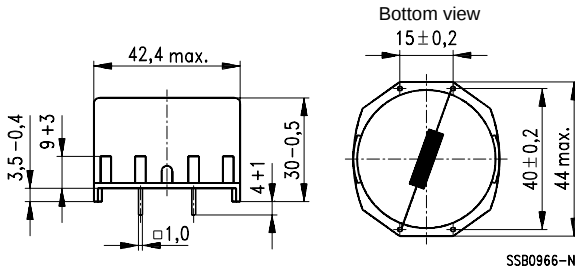
- B82615 and B82625:
 - Pins fitting standard PCB grid
- B82617 and B82627:
 - lead wires brought out of case,
 - approx. 20 mm of wire ends tinned

Marking

Ordering code, rated inductance, rated current, dc resistance, manufacturer, date of manufacture

Harmonic single choke

Dimensional drawing



General technical data

Inductance tolerance	± 20 %
Rated current I_R	Referred to 50 Hz und + 40 °C ambient temperature
DC resistance R_{typ}	Typical value, measured at + 20 °C ambient temperature
Climatic category	In accordance with IEC 60068-1 40/125/56 (– 40 °C/+ 125 °C/56 days damp heat test)
Weight	Approx. 110 g

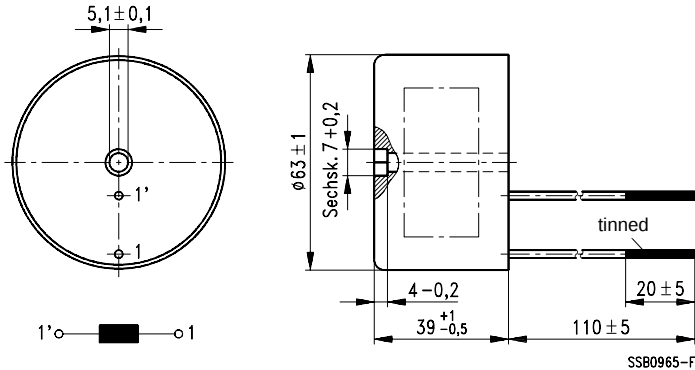
For further technical data [see page 315](#)

Characteristics and ordering codes

I_R A	L_R mH	R_{typ} Ω	Ordering code
1	20	3,0	B82615-B2102-M1
2	5,0	0,90	B82615-B2202-M1
3	2,5	0,40	B82615-B2302-M1
4	1,5	0,22	B82615-B2402-M1
5	1,0	0,15	B82615-B2502-M1
6	0,7	0,10	B82615-B2602-M1

Harmonic single choke

Dimensional drawing



General technical data

Inductance tolerance	± 20 %
Rated current I_R	Referred to 50 Hz and + 40 °C ambient temperature
DC resistance R_{typ}	Typical value, measured at + 20 °C ambient temperature
Climatic category	In accordance with IEC 60068-1 40/125/56 (– 40 °C/+ 125 °C/56 days damp heat test)
Weight	Approx. 380 g

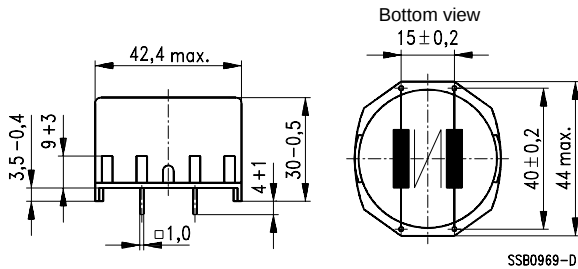
For further technical data [see page 315](#)

Characteristics and ordering codes

I_R A	L_R mH	R_{typ} Ω	Ordering code
1	40	3,2	B82617-F2102-M1
2	18	1,2	B82617-F2202-M1
3	9,5	0,70	B82617-F2302-M1
4	5,5	0,41	B82617-F2402-M1
5	3,5	0,28	B82617-F2502-M1
6	2,4	0,185	B82617-F2602-M1
8	1,4	0,100	B82617-F2802-M1
10	1,0	0,065	B82617-F2103-M1

Harmonic double choke

Dimensional drawing



General technical data

Inductance tolerance	$\pm 20 \%$
Rated current I_R	Referred to 50 Hz and + 40 °C ambient temperature
DC resistance R_{typ}	Typical value, measured at + 20 °C ambient temperature
Climatic category	In accordance with IEC 60068-1 40/125/56 (– 40 °C/+ 125 °C/56 days damp heat test)
Weight	Approx. 120 g

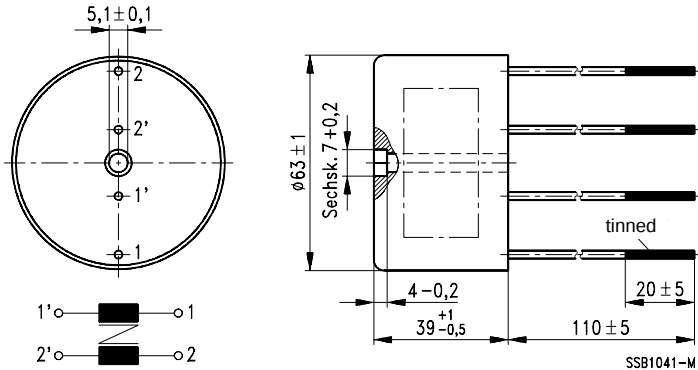
For further technical data [see page 315](#)

Characteristics and ordering codes

I_R A	L_R mH	R_{typ} Ω	Ordering code
1	5	1,40	B82625-B2102-M1
2	1,2	0,45	B82625-B2202-M1
3	0,7	0,20	B82625-B2302-M1
4	0,4	0,11	B82625-B2402-M1
5	0,25	0,075	B82625-B2502-M1
6	0,18	0,050	B82625-B2602-M1

Harmonic double choke

Dimensional drawing



General technical data

Inductance tolerance	± 20 %
Rated current I_R	Referred to 50 Hz and + 40 °C ambient temperature
DC resistance R_{typ}	Typical value, measured at + 20 °C ambient temperature
Climatic category	In accordance with IEC 60068-1 40/125/56 (– 40 °C/+ 125 °C/56 days damp heat test)
Weight	Approx. 380 g

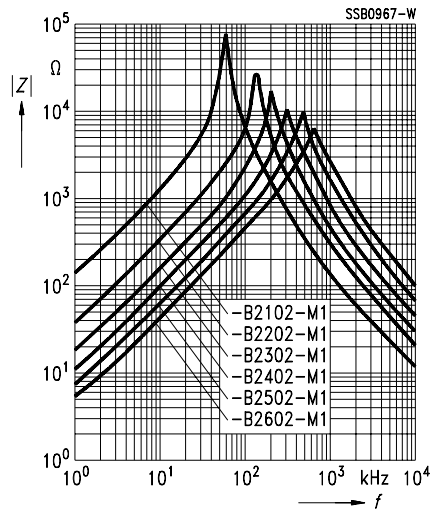
For further technical data [see page 315](#)

Characteristics and ordering codes

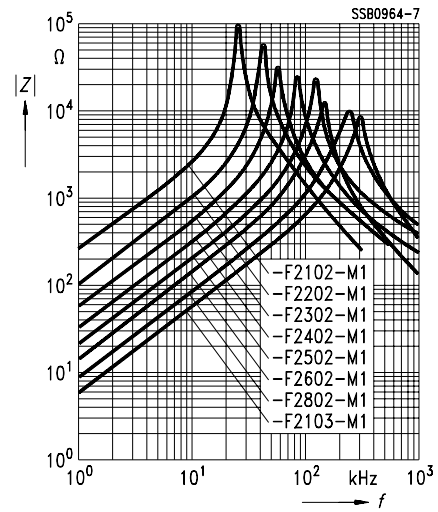
I_R A	L_R mH	R_{typ} Ω	Ordering code
1	10,0	2,0	B82627-F2102-M1
2	4,5	0,65	B82627-F2202-M1
3	2,5	0,38	B82627-F2302-M1
4	1,5	0,20	B82627-F2402-M1
5	0,9	0,14	B82627-F2502-M1
6	0,6	0,09	B82627-F2602-M1
8	0,35	0,05	B82627-F2802-M1
10	0,25	0,035	B82627-F2103-M1

Impedance $|Z|$ versus frequency f

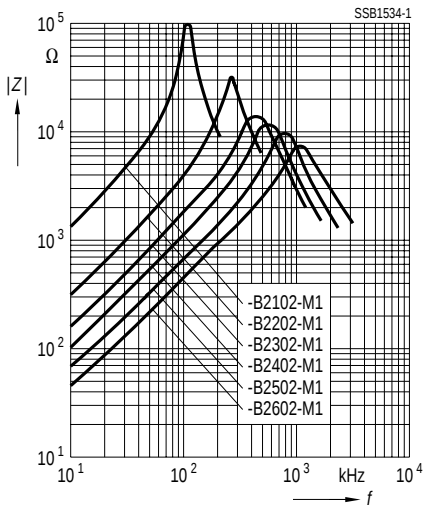
B82615-



B82617-



B82625-



B82627-

