

Construction

- Current-compensated ring core double choke with ferrite core
- Polycarbonate case
- Polyurethane potting
- Sector winding

Features

- Case and potting flame-retardant as per UL 94 V-0
- High resonance frequency owing to special winding technique
- Approx. 1 % stray inductance for symmetrical interference suppression

Applications

Application	Type
Electronic ballasts in lamps	B82721 B82722
Switch-mode power supplies in TV sets	B82721 ... B82725
Washing machines	B82724 B82725
Power supplies	B82724 B82725
Chargers	B82725

Terminals

- Pins 0,7 × 0,7 mm or 1 × 1 mm (B82725)
- Pins fitting standard PCB grid

Marking

Ordering code, rated current, rated inductance, rated voltage (except B82721-K), graphic symbol, mark of conformity, manufacturer, date of manufacture

Approvals¹⁾

Marks of conformity	Standards
	VDE 0565-2
	EN 60938-2 (pending) UL 1283

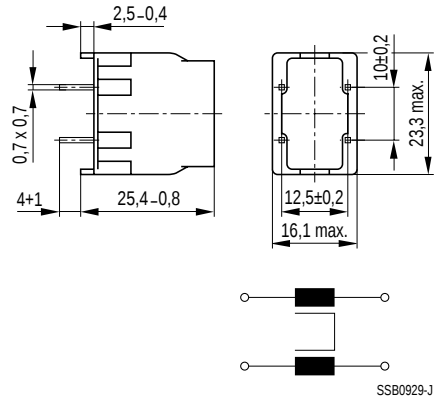
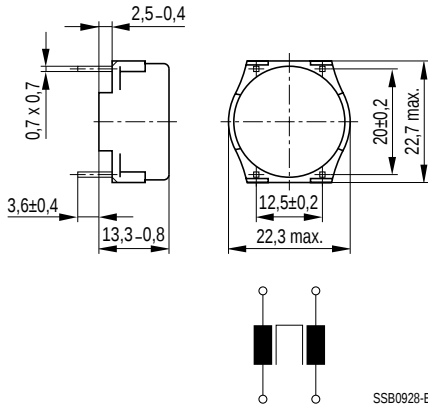


¹⁾ Approvals to EN 60938-2 and UL 1283 pending for B82725-J.

Dimensional drawings and pin configuration

Horizontal version (B82722-A)

Vertical version (B82722-J)



General technical data

Rated voltage V_R	250 Vac
Test voltage V_T	1500 Vac, 2 s (line/line)
Rated current I_R	Referred to 50 Hz and 60 °C ambient temperature
Inductance tolerance	± 30 %
Weight	Approx. 10 g

For further technical data [see page 334](#). For impedance = f (f) [see page 355](#)

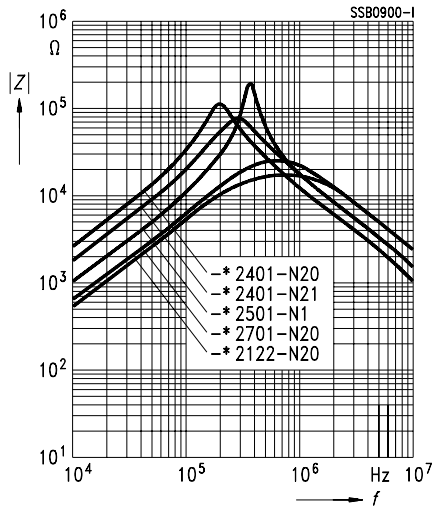
Characteristics and ordering codes

I_R A	L_R mH	L_S , typ μH	R_{typ} mΩ	Ordering code horizontal version	vertical version
0,3	47	760	2500	B82722-A2301-N1	B82722-J2301-N1
0,5	27	430	1200	B82722-A2501-N1	B82722-J2501-N1
1	10	140	480	B82722-A2102-N1	B82722-J2102-N1
2	2,2	30	130	B82722-A2202-N1	B82722-J2202-N1
3	1,2	17	56	B82722-A2302-N1	B82722-J2302-N1

Impedance $|Z|$ versus frequency f (measured with windings in parallel)

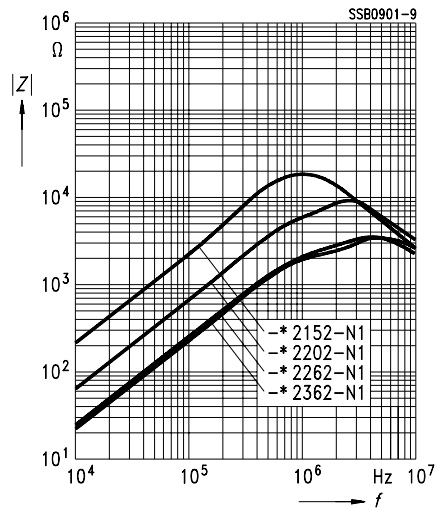
B82721-*

* = A or K



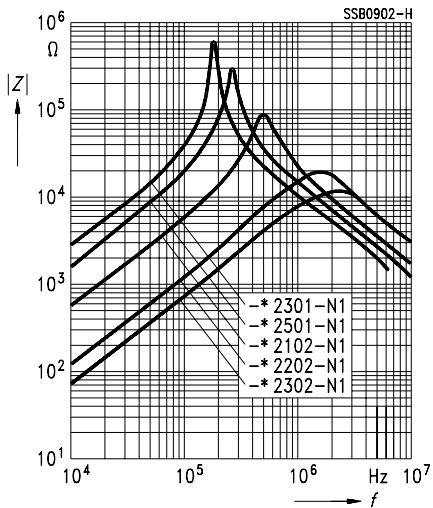
B82721-*

* = A or K



B82722-*

* = A or J



B82723-*

* = A or J

