



Siemens Matsushita Components

EMC

Components

Chokes for Power Lines

Current-Compensated Ring Core Double Chokes
B82791-H/G

Data Book Supplement

Power Line Chokes

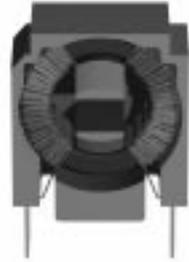
Current-Compensated Ring Core Double Chokes

B82791-H/G

Rated voltage 250 V~
 Rated current 0,25 to 0,7 A
 Rated inductance 4,7 bis 47 mH

Construction

- Current-compensated ring core double choke with ferrite core
- Polycarbonate case
- Without potting
- Sector winding



Vertical version

Features

- Vertical and horizontal versions
- Case flame-retardant as per UL 94 V-0
- High resonant frequency owing to special winding technique and no potting compound
- Approx. 1 % stray inductance for symmetrical interference suppression



Horizontal version

Applications

- Compact and small electronic ballasts in lamps
- Telecom applications such as NTBA, PCMx
- Integrated power supplies for video recorders, portable TVs, SAT-receivers, set-top boxes, video-on-demand
- Automation, e. g. sensor modules with integrated power supplies
- Electronic transformers, e. g. for halogen lamps
- Plug-in and portable power supplies and chargers for cellular and cordless phones
- Compact, modular and desktop power supplies

Terminals

- Pins in lead spacing

Marking

Ordering code, rated current, rated inductance, manufacturer, date code

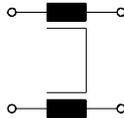
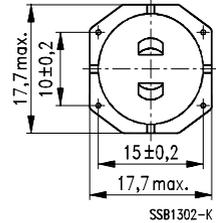
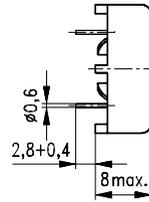
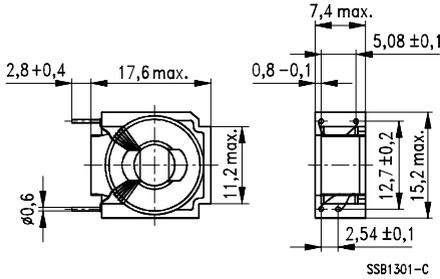
Approvals

Marks of conformity	Standards	
	vertical version	horizontal version
	EN 138 100 (pending)	EN 138 100 (pending)
	UL 1283 (pending)	UL 1283 (pending)

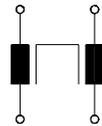
Outline drawing and pin configuration

vertical version (B82791-H)

horizontal version (B82791-G)



SSB1304-2



SSB1305-A

Technical data

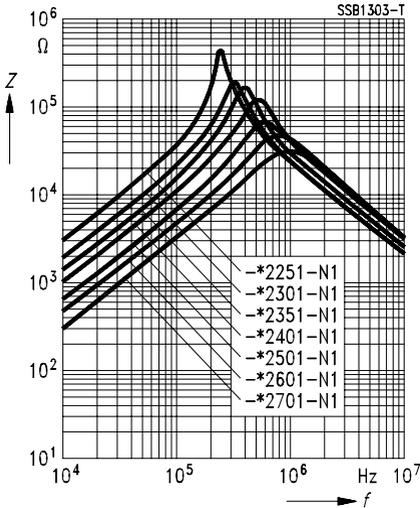
Test voltage V_P	1500 Vac, 2 s (line/line)
Rated current I_R	Referred to 50 Hz and 40 °C ambient temperature
Inductance tolerance	-30 %/+50 %
Weight	Approx. 3 g

For further details refer to data book "EMC Components" 1996, page 179.

Characteristics and ordering codes

I_R A	L_R mH	$L_{Stray, typ}$ μH	R_{typ} m Ω	Ordering code	
				vertical version	horizontal version
0,25	47	750	3500	B82791-H2251-N1	B82791-G2251-N1
0,3	30	400	2200	B82791-H2301-N1	B82791-G2301-N1
0,35	22	350	1900	B82791-H2351-N1	B82791-G2351-N1
0,4	15	225	1350	B82791-H2401-N1	B82791-G2401-N1
0,5	10	150	1000	B82791-H2501-N1	B82791-G2501-N1
0,6	6,8	100	630	B82791-H2601-N1	B82791-G2601-N1
0,7	4,7	70	440	B82791-H2701-N1	B82791-G2701-N1

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



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