S_0 Interface

SMD



Construction

- Current-compensated ring core quad choke with ferrite core
- Bifilar winding
- Tinned terminals

Features

- Case flame-retardant as per UL 94 V-0
- Suitable for reflow soldering

Applications

Suppression of asymmetrical interference coupled in on lines, whereas data signals up to some MHz can pass unaffectedly

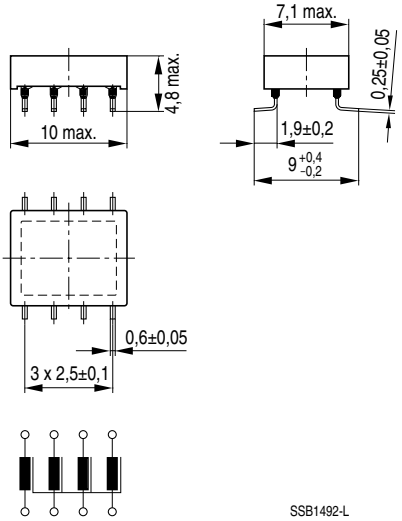
Marking

Manufacturer, ordering code (short form),
date of manufacture, coded (year, calender week, day of week)

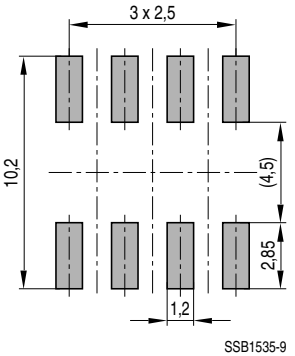
Delivery mode

- 16-mm blister tape, reel packing
- Packing unit: 1500 pcs.

Dimensional drawing



Layout recommendation



S_0 Interface

SMD

General technical data

Rated voltage V_R	42 Vac (50/60 Hz) 80 Vdc
Rated current I_R	Referred to 50 Hz and 60 °C ambient temperature
Rated inductance L_R	Measured with HP 4275A at $L \leq 1$ mH = 100 kHz, 0,1 mA $L > 1$ mH = 10 kHz, 0,1 mA (specified per winding)
Inductance tolerance	–30/+50 %
Inductance decrease $\Delta L/L_0$	< 10 % at dc magnetic bias with I_R
Stray inductance L_S	Measured with bridge HP 4275 Measured frequency for $L \leq 11$ µH = 1 MHz, 5 mA $L > 11$ µH = 100 kHz, 5 mA
DC resistance R_{typ}	Typical values, measured at 20 °C ambient temperature
Solderability	(215 ± 3) °C, (3 ± 0,3) s wetting of soldering area ≥ 95 % in accordance with IEC 60068-2-58
Climatic category	40/125/56 (–40 °C/+125 °C/56 days damp heat test) in accordance with IEC 60068-1
Weight	Approx. 0,4 g

Characteristics and ordering codes

L_R mH	$L_{S, max}$ nH	I_R mA	R_{typ} Ω	V_T Vdc, 2 s	Ordering code
0,011	50	200	0,12	750	B82793C2113N201
0,047	100	150	0,15	750	B82793C2473N201
0,470	200	100	0,35	750	B82793C2474N215
2,2	250	100	0,40	750	B82793C2225N265

Higher L values upon request.

Herausgegeben von EPCOS AG
Unternehmenskommunikation, Postfach 80 17 09, 81617 München, DEUTSCHLAND
☎ ++49 89 636 09, FAX (0 89) 636-2 26 89

© EPCOS AG 2002. Vervielfältigung, Veröffentlichung, Verbreitung und Verwertung dieser Broschüre und ihres Inhalts ohne ausdrückliche Genehmigung der EPCOS AG nicht gestattet.

Bestellungen unterliegen den vom ZVEI empfohlenen Allgemeinen Lieferbedingungen für Erzeugnisse und Leistungen der Elektroindustrie, soweit nichts anderes vereinbart wird.

Diese Broschüre ersetzt die vorige Ausgabe.

Fragen über Technik, Preise und Liefermöglichkeiten richten Sie bitte an den Ihnen nächstgelegenen Vertrieb der EPCOS AG oder an unsere Vertriebsgesellschaften im Ausland. Bauelemente können aufgrund technischer Erfordernisse Gefahrstoffe enthalten. Auskünfte darüber bitten wir unter Angabe des betreffenden Typs ebenfalls über die zuständige Vertriebsgesellschaft einzuholen.

Published by EPCOS AG
Corporate Communications, P.O. Box 80 17 09, 81617 Munich, GERMANY
☎ ++49 89 636 09, FAX (0 89) 636-2 26 89

© EPCOS AG 2002. Reproduction, publication and dissemination of this brochure and the information contained therein without EPCOS' prior express consent is prohibited.

Purchase orders are subject to the General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry recommended by the ZVEI (German Electrical and Electronic Manufacturers' Association), unless otherwise agreed.

This brochure replaces the previous edition.

For questions on technology, prices and delivery please contact the Sales Offices of EPCOS AG or the international Representatives.

Due to technical requirements components may contain dangerous substances. For information on the type in question please also contact one of our Sales Offices.