



Chokes for Data and Signal Lines

B82793-C2

Quad Chokes

SMD

Rated voltage 42 Vac/80 Vdc
Rated current 100 to 200 mA
Rated inductance 0,011 to 2,2 mH



Construction

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

Features

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

Applications

- B82793-C:
Suppression of asymmetrical interference coupled in on lines,
whereas data signals up to some MHz can pass unaffectedly

Terminals

- Tinned

Marking

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

Delivery mode

Blister tape, reel packing

For details on taping, packing and packing units [see page 302](#)



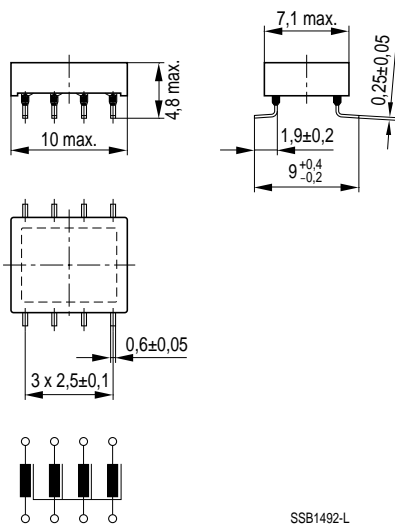
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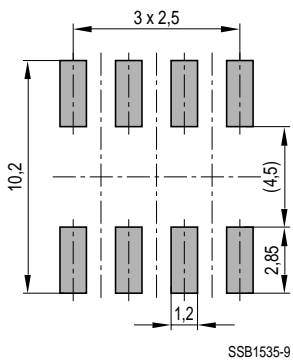
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Dimensional drawing



SSB1492-L

Layout recommendation



SSB1535-9


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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 $L \leq 11$ μ H = 1 MHz, 5 mA $L > 11$ μ H = 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 \geq 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	B82793-C2113-N201
0,047	100	150	0,15	750	B82793-C2473-N201
0,470	200	100	0,35	750	B82793-C2474-N215
2,2	250	100	0,40	750	B82793-C2225-N265