



Chokes for Data and Signal Lines

B82790-C2\*\*\*-N3

Quad Chokes

**SMD**

Rated voltage 42 Vac/80 Vdc  
Rated current 200 to 500 mA  
Rated inductance 0,47 to 4,7 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

- Suppression of asymmetrical interference coupled in on lines, whereas data signals up to some MHz can pass unaffectedly
- Use e.g. in telecom applications and RF equipment

#### Terminals

- Tinned

#### Marking

Manufacturer, ordering code,  
date of manufacture (month, year)

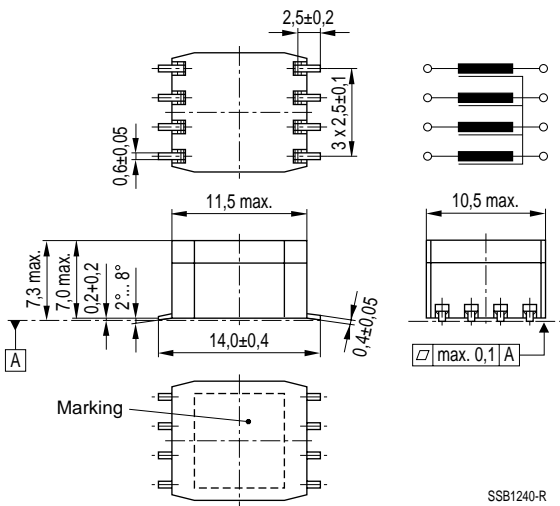
#### Delivery mode

Blister tape, reel packing

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

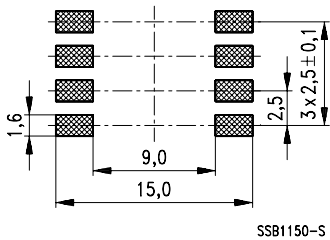


Dimensional drawing



SSB1240-R

Layout recommendation



SSB1150-S


**Chokes for Data and Signal Lines**
**B82790-C2\*\*\*-N3**
**Quad Chokes**

**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, 10 mV $L > 1$ mH = 10 kHz, 10 mV (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 at $L \leq 1$ mH = 100 kHz, 10 mV $L > 1$ mH = 10 kHz, 10 mV
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. 2 g

**Characteristics and ordering codes**

$L_R$ mH	$L_{S, max}$ nH	$I_R$ mA	$R_{typ}$ $\Omega$	$V_T$ Vdc, 2 s	Ordering code
0,47	200	500	0,25	750	B82790-C2474-N315
1,0	250	500	0,25	750	B82790-C2105-N340
4,7	400	200	0,80	750	B82790-C2475-N340

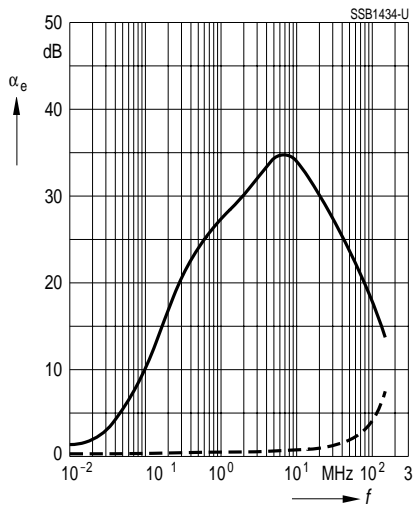


Insertion loss  $\alpha_e$  (typical values at  $Z = 50 \Omega$ )

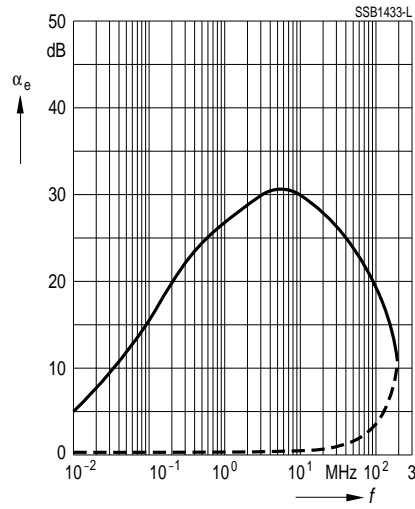
———— asymmetrical, all branches in parallel (common mode)

- - - - - symmetrical (differential mode)

B82790-C2474-N315



B82790-C2105-N340



B82790-C2475-N340

