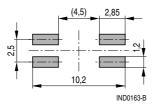


Layout recommendation



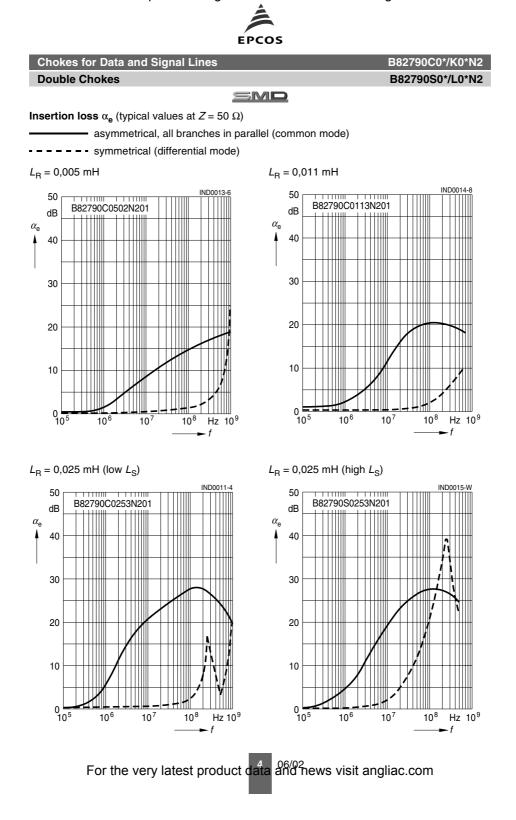
EPCOS					
Chokes for Data and Signal Lines	B82790C0*/K0*N2				
Double Chokes	B82790S0*/L0*N2				
	<u>smd</u>				
Technical data and measuring condition	ons				
Rated voltage V _R	42 VAC (50/60 Hz) 80 VDC				
Rated current I _R	Referred to 50 Hz and 60 °C ambient temperature				
Rated inductance L _R	Measured with HP 4275A at $L \le 1$ mH = 100 kHz, 0,1 mA L > 1 mH = 10 kHz, 0,1 mA (specified per winding)				
Inductance tolerance	L ≤ 0,47 mH: ± 30 % L > 0,47 mH: − 30/+ 50 %				
Inductance decrease $\Delta L/L_0$	< 10 % at dc magnetic bias with $I_{\rm R}$				
Stray inductance L _S	Measured with HP 4275A. Measuring frequency at $L \le 11 \ \mu\text{H} = 1 \ \text{MHz}$, 5 mA $L > 11 \ \mu\text{H} = 100 \ \text{kHz}$, 5 mA				
DC resistance R _{typ}	Typical values, measured at 20 °C ambient temperature				
Solderability	(215 ± 3) °C, $(3 \pm 0,3)$ 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. 0,3 g				

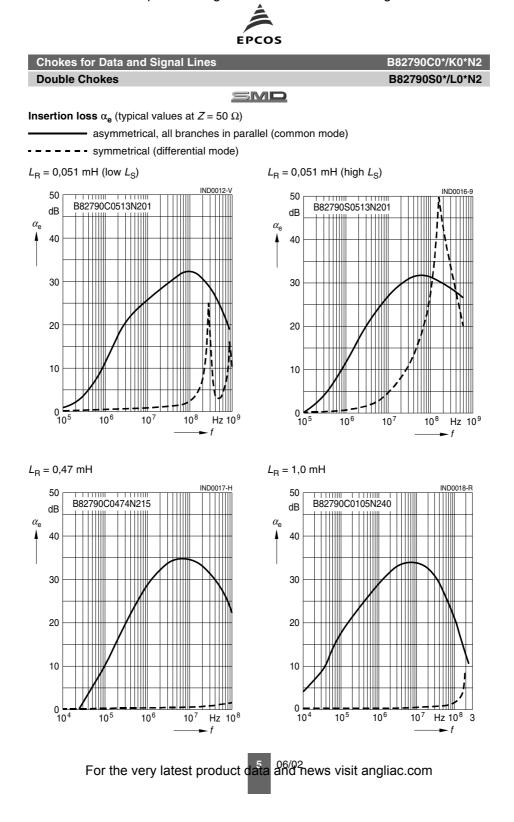
Characteristics and ordering codes

L _R mH	L _{S, typ} nH	I _R mA	R _{typ} mΩ	V _T VDC, 2 s	Ordering code ¹⁾
0,005	50	1000	100	250	B82790C0502N201
0,011	50	500	120	250	B82790C0113N201
0,025	150	500	130	250	B82790C0253N201
0,025	1500	500	130	250	B82790S0253N201
0,051	200	500	160	250	B82790C0513N201
0,051	2000	500	160	250	B82790S0513N201
0,470	200	500	200	750	B82790C0474N215
1,0	250	500	200	750	B82790C0105N240
2,2	250	400	400	750	B82790C0225N265
4,7	300	200	550	750	B82790C0475N265

1) Special types for conductive adhesion and ambient temperatures of up to 150 °C upon request.

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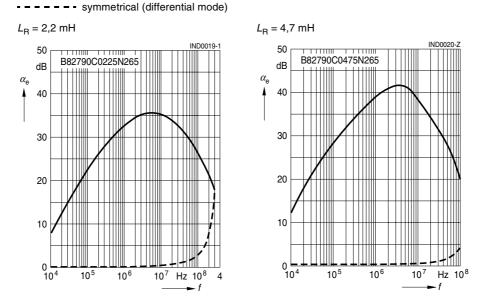




EPCOS	
Chokes for Data and Signal Lines	B82790C0*/K0*N2
Double Chokes	B82790S0*/L0*N2

Insertion loss α_e (typical values at Z = 50 Ω)

asymmetrical, all branches in parallel (common mode)



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This brochure replaces the previous edition.

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