

Alle Angaben ohne Gewähr. Irrtümer und Änderungen vorbehalten. No responsibility is taken for the correctness. Errors and modifications are subject to change.

Bs 78/ L – magnetically shielded						88809147-85 Rev. 0		
<p>Marking: • 102 Colored dot marks start of winding. Number 102 mean 1 mH. (101 mean 0.1 mH; 103 mean 10 mH)</p>						<p>Dimensions: mm</p>		
Circuit								
Testing:			Measured with: L, Q, R _{DC} = Agilent E 4980 A or equivalent f _{res} = Agilent E5061B					
L [mH]	± %	at f [kHz] 0.05V	Q ≥	Q at f [MHz]	f _{res} ≥ [MHz]	R _{DC} max [Ω]	I _{max} [mA]	Item Number
0.100	10	30	90	0.5	5	0.13	460	88809147
0.150	10	30				0.19	390	88809149
0.220	10	30				0.27	320	88809151
0.330	10	10				0.42	270	88809153
0.470	10	10				0.59	210	88809155
0.680	10	10				0.84	180	88809157
0.820	10	10				1.04	160	88809158
1.00	10	10	70	0.200	1.5	1.25	150	88809159
1.50	10	10				1.76	120	88809161
2.20	10	10				2.63	100	88809163
3.30	10	3				4.04	80	88809165
4.70	10	3				5.60	70	88809167
6.80	10	3				8.20	58	88809169
10.0	10	3	110	0.100	0.500	11.80	48	88809171
15.0	10	3				18.10	40	88809173
22.0	10	3				27.80	30	88809175
27.0	10	1				32.30	29	88809176
33.0	10	1				39.70	26	88809177
47.0	10	1				57.60	22	88809179
68.0	10	1	120	0.020	0.180	82.60	18	88809181
100.0	10	1				121.0	14	88809183
150.0	10	1	80	0.010	0.100	180.20	12	88809185
Operating temperature range: -40°C to + 125°C.				Solderability as per J-STD-020F: 255°C, 5 sec.				
				Resistance to soldering heat J-STD-020F: 260°C, 10 sec.				

Pull-out force of the connecting wires:
DIN IEC 68-2-21 Ua1: $\geq 10\text{N}$

Packaging:
130 pcs/Tray
Tray dimensions:
335x270x20mm
1430 pcs/Carton
11 trays

Q value and self resonance frequency are typical values.
Rated current is given for an ambient temperature of 40°C.
Higher ambient temperatures require a reduction of the rated current.

Application

- Decoupling of high and low frequency circuits
- Suppression of stray fields from/in adjacent circuits (EMI)
- Lower magnetic coupling to other components
- Better performance at high frequencies
- Enables higher packing density when assembling printed circuit boards
- More stable inductance values
- Use in selective circuits such as high-pass or low-pass filters in telecommunications and video equipment