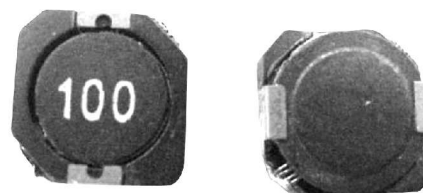


SDB Series

SDB 1003 Type

FEATURES

- ⊙ Low profile.
- ⊙ Magnetically shielded.
- ⊙ Available on tape and reel for auto-insertion.
- ⊙ Ideal for a variety of DC-DC converter inductor applications.



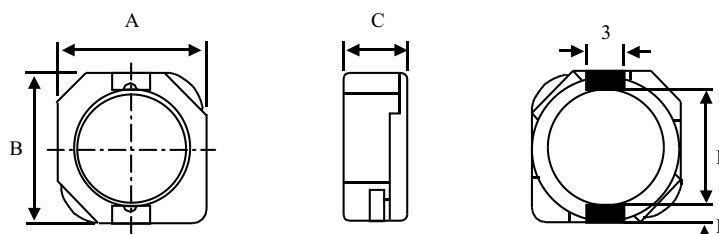
ELECTRICAL CHARACTERISTICS

- ⊙ Tested at 100 kHz.
- ⊙ Inductance drop = 30% typ. at rated IDC
- ⊙ Operating temperature range -25°C ~ +85°C

STANDARD ELECTRICAL SPECIFICATION

Part number	Inductance [μ H]	Inductance Tolerance	DC Resistance [m Ω] (max.)	I.D.C [A] (max.)
0R8	0.8	$\pm 30\%$	5.7	6.50
1R5	1.5		11.0	4.20
2R2	2.2		16.9	4.05
3R3	3.3		21.0	3.80
4R7	4.7		30.0	3.30
6R8	6.8		35.0	3.15
8R2	8.2		50.0	2.50
100	10		59.0	2.40
150	15		91.0	2.05
220	22		143.0	1.20
330	33		202.0	1.10
470	47		299.0	0.90
560	56		325.0	0.78
680	68		429.0	0.68
820	82		494.0	0.63
101	100		683.0	0.56
121	120		754.0	0.53
151	150		871.0	0.51

CONSTRUCTION



DIMENSIONS : mm

A	B	C	E	F
10.3 max.	10.4 max.	3.0 max.	7.7	1.2