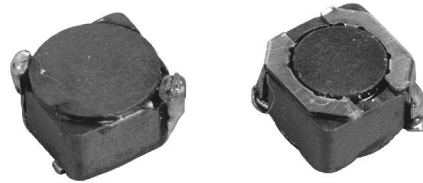


SDBS Series

SDBS 0503 Type

FEATURES

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



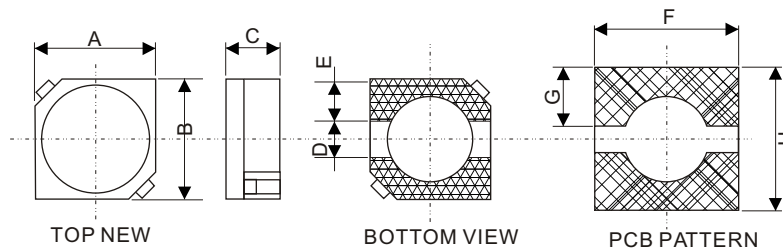
ELECTRICAL CHARACTERISTICS

- ⊙ 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 [Ω] (max.)	I.D.C [A] (max.)
1R2	1.2	±30%	0.0236	2.56
1R8	1.8		0.0275	2.20
2R2	2.2		0.0313	2.04
2R7	2.7		0.0423	1.60
3R3	3.3		0.0492	1.57
3R9	3.9		0.0646	1.44
4R7	4.7		0.0720	1.32
5R6	5.6		0.1009	1.17
6R8	6.8		0.1089	1.12
8R2	8.2		0.1175	1.04
100	10.0		0.1283	1.00
120	12.0		0.1316	0.84
150	15.0		0.1490	0.76
180	18.0		0.1660	0.72
220	22.0		0.2350	0.70
270	27.0		0.2610	0.58
330	33.0		0.3780	0.56
390	39.0		0.3837	0.50
470	47.0		0.5870	0.48
560	56.0		0.6245	0.41
680	68.0		0.6990	0.35
820	82.0	0.9148	0.32	
101	100.0	1.0200	0.29	
121	120.0	1.2700	0.27	
151	150.0	1.3500	0.24	
181	180.0	1.5400	0.22	

CONSTRUCTION



DIMENSIONS : mm

A	B	C	D	E	F	G	H
4.7±0.3	4.7±0.3	3.0 max.	1.5	1.5	4.7	1.6	4.7