



SD75S SERIES ~ Semi-Shielded Power Inductors

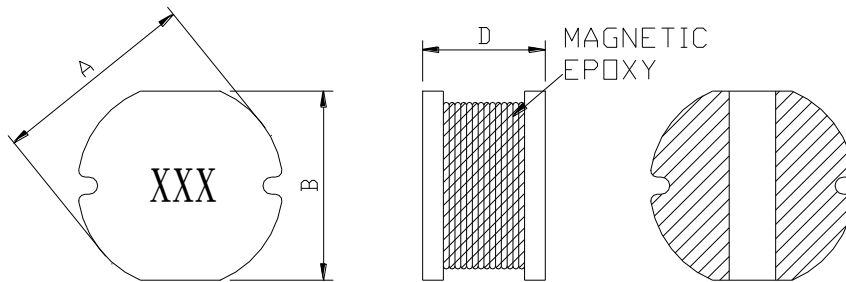


PART NUMBERING SYSTEM

SDR	75S	—	6R8M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

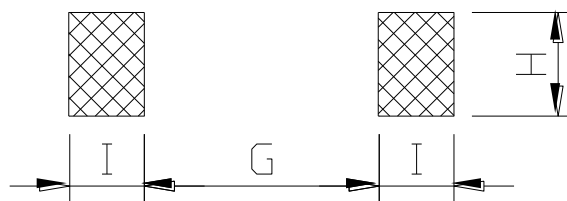
SHAPES AND DIMENSIONS

UNIT : mm



$$A=7.8\pm0.3 \quad B=7.0\pm0.3 \quad D= 5.0\pm0.5$$

PCB PATTERN



Features

- Semi-shielded construction
- High rated current
- Component height: 4 mm
- Inductance range: 0.5 to 100 μ H
- Rated current up to 10 A
- RoHS compliant* and halogen free**

Applications

- DC/DC converters
- Notebook computers
- Digital video cameras
- HDDs
- Cell phones
- Televisions, LCD displays

**Coilmaster Electronics Co., Ltd.**

3F No.211, Huan Bei Rd. Chung Li District , Taoyuan City, Taiwan

Tel : +886-3-422-8279

Fax : +886-3-422-8734

E-mail : info@coilmaster.com.twWeb Site : www.coilmaster.com.tw

SD75S SERIES ~ Semi-Shielded Power Inductors



SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) (Max.)	Isat (A) (Max.)	Irms (A) (Max.)
SDR75S-R50N-LF	0.5 $\pm$ 30%	7.00	12.0	10.0
SDR75S-1R0N-LF	1.0 $\pm$ 30%	10.0	11.0	7.8
SDR75S-1R5N-LF	1.5 $\pm$ 30%	11.0	8.2	7.0
SDR75S-2R2N-LF	2.2 $\pm$ 30%	13.0	7.4	6.3
SDR75S-3R3N-LF	3.3 $\pm$ 30%	21.0	5.5	5.6
SDR75S-3R6N-LF	3.6 $\pm$ 30%	22.0	5.3	4.9
SDR75S-4R7N-LF	4.7 $\pm$ 30%	24.0	4.7	4.1
SDR75S-6R8N-LF	6.8 $\pm$ 30%	33.0	4.2	3.9
SDR75S-8R2N-LF	8.2 $\pm$ 30%	45.0	4.0	3.7
SDR75S-100M-LF	10 $\pm$ 20%	50.0	3.4	3.1
SDR75S-150M-LF	15 $\pm$ 20%	70.0	2.7	2.4
SDR75S-220M-LF	22 $\pm$ 20%	100	2.2	2.2
SDR75S-330M-LF	33 $\pm$ 20%	145	1.9	1.7
SDR75S-470M-LF	47 $\pm$ 20%	190	1.5	1.4
SDR75S-680M-LF	68 $\pm$ 20%	275	1.2	1.1
SDR75S-101M-LF	100 $\pm$ 20%	400	1.0	1.0

- DC current at which the inductance drops 30% (typ) from its value without current.
- Test Frequency at 100KHz/1V
- Operating temperature range -40°C to +125°C ,
- Electrical specifications at 25°C.
- Packing : 13" reel, machine-ready ,embossed plastic tape (1,000 parts per full reel).