

SDS0715 SERIES ~

Low Profile Shielded Power Inductors



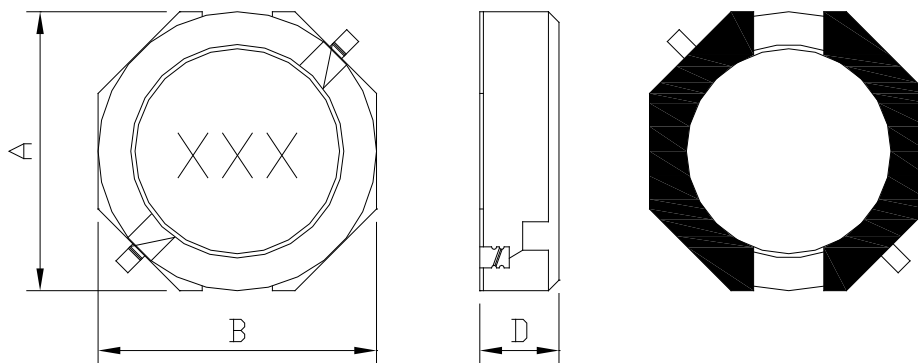
RoHS Compliant

PART NUMBERING SYSTEM

<u>SDS</u>	<u>0715</u>	—	<u>1 0 0 M</u>	—	<u>LF</u>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

SHAPES AND DIMENSIONS

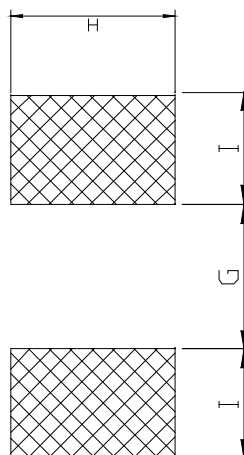
UNIT : mm



A=7.3 Max. B=7.3 Max. D=1.50 Max.

RECOMMENDED PATTERNS

UNIT : mm



G=2.0 H=7.3 I=2.65

FEATURES

- **Compact, Low profile shielded power inductor** – only 1,5 mm high, 7.3 mm square
- Ideal for **high-density applications**
- **DC/DC converter** for TFT monitor and television and Note book PC and portable equipment .
- **Flat bottom surface** ensure secure , reliable mounting .
- Handles **current up to 2.4 Amps!**
- **RoHS-compliant.** 260°C compatible.

SDS0715 SERIES ~ **New Products**



RoHS Compliant

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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) (Max.)	Isat (A)	TEST FREQ. (f)
SDS0715-2R7M-LF	2.7 $\pm$ 20%	45.0	2.40	100KHz/1V
SDS0715-3R3M-LF	3.3 $\pm$ 20%	50.0	2.10	100KHz/1V
SDS0715-4R7M-LF	4.7 $\pm$ 20%	65.0	1.70	100KHz/1V
SDS0715-6R8M-LF	6.8 $\pm$ 20%	85.0	1.50	100KHz/1V
SDS0715-100M-LF	10 $\pm$ 20%	140.0	1.25	100KHz/1V
SDS0715-220M-LF	22 $\pm$ 20%	170.0	1.05	100KHz/1V
SDS0715-330M-LF	33 $\pm$ 20%	280.0	0.85	100KHz/1V
SDS0715-470M-LF	47 $\pm$ 20%	580.0	0.55	100KHz/1V

- Inductance tested at 100kHz, 1 Vrms, 0 Adc using an Agilent/HP 4284A LCR meter or equivalent.
- Isat : DC current at which the inductance drops 30% (typ) from its value without current.
- Irms: Current that causes the specified temperature rise from 25°C ambient.
- Operating Temperature Range : -40°C to +125°C .
- Electrical specifications at 25°C.