

SDS6015 SERIES

Low Profile Shielded Power Inductors



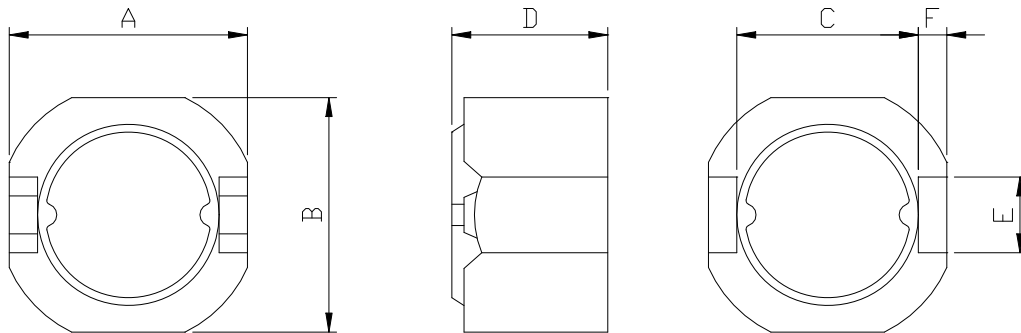
RoHS Compliant

PART NUMBERING SYSTEM

<u>SDS</u>	<u>6015</u>	—	<u>3R3N</u>	—	<u>LF</u>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

SHAPES AND DIMENSIONS

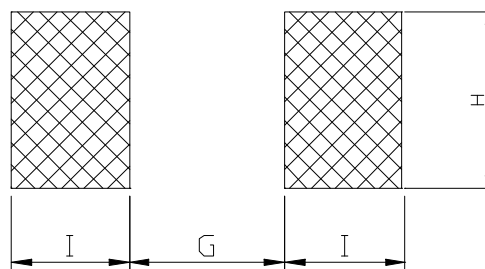
UNIT : mm



A=6.3 Max. B=6.3 Max. C=4.8 D=1.65 Max. E=2.0 F=0.6

RECOMMENDED PATTERNS

UNIT : mm



G= 4.60 H= 2.60 I = 1.00

FEATURES

- Low profile (6.2x6.3 max. square. 1.65mm max. height).
- Magnetically shielded construction and low DC resistance.
- Suitable for large current.
- Ideal for a variety of DC-DC converter inductor application.
- Lead Free and RoHS Compliant.

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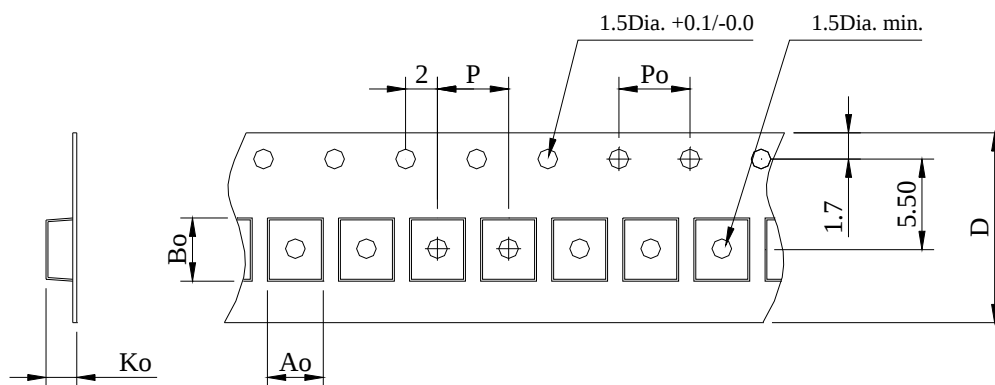
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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) (Max.)	Isat (A) (Max.)	Irms (A) (Max.)	TEST FREQ. (f)
SDS6015-1R4N-LF	1.4 $\pm$ 30%	27	2.80	3.50	100KHz
SDS6015-2R0N-LF	2.0 $\pm$ 30%	33	2.40	3.10	100KHz
SDS6015-3R3N-LF	3.3 $\pm$ 30%	57	1.90	2.40	100KHz
SDS6015-5R1N-LF	5.1 $\pm$ 30%	77	1.50	1.90	100KHz
SDS6015-6R8N-LF	6.8 $\pm$ 30%	110	1.40	1.50	100KHz
SDS6015-100N-LF	10 $\pm$ 30%	140	1.10	1.30	100KHz

- Isat : DC current at which the inductance drops 35%(typ) from its value without current.
- I rms : : Average current for 40°C temperature rise from 20°C ambient.
- Operating temperature range -40°C to +125°C , Electrical specifications at 25°C .
- PLATING / SOLDER : TIN-SILVER-COPPER (95.5%/4.0%/0.5%)

PACKAGING SPECIFICATION



STAYLE	Q' TY (PCS)	DIMENSIONS (m/m)					
		Ao	Bo	Ko	P	Po	D $\pm$ 0.3
13"	2,000	5.72	5.72	1.85	8.00	4.00	12.0