

SDS3015ELD SERIES ~ **New Products**



RoHS Compliant

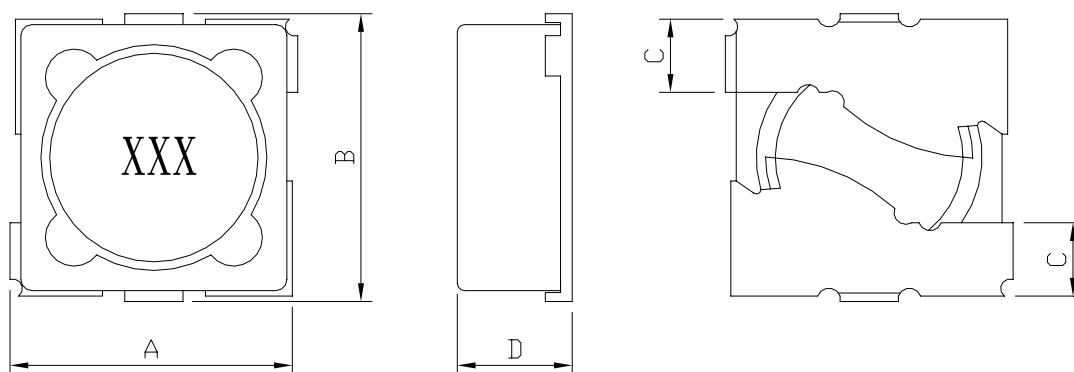
Low Profile Shielded Power Inductors

PART NUMBERING SYSTEM

SDS	3015ELD	—	1 0 0 M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

SHAPES AND DIMENSIONS

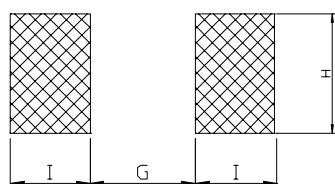
UNIT : mm



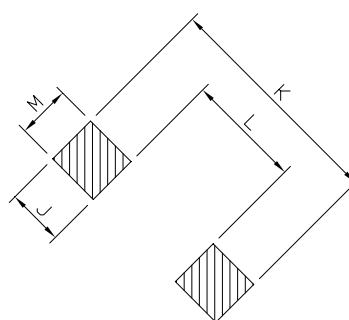
A=3.4 Max. B=3.4 Max. C=0.8 Typ. D=1.60 Max

RECOMMENDED PATTERNS

UNIT : mm



G=1.4 H=3.4 I=1.5



J=1.3 K=4.39 L=1.7 M=1.3

FEATURES

- **Compact, Low profile shielded power inductor** – only **1,60 mm** high, **3.2 mm** square
- Ideal for **high-density applications**
- **Flat bottom surface** ensure secure , reliable mounting .
- Handles **current up to 3.2 Amps!**
- **RoHS-compliant.** 260°C compatible.

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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	DCR (Ω) (Max.)	Isat (A)	Irms (A) @ 25°C Rise	TEST FREQ. (f)
SDS3015ELD-1R0N-LF	1.0 $\pm$ 30%	0.046	1.40	1.80	1KHz/1V
SDS3015ELD-1R2N-LF	1.2 $\pm$ 30%	0.050	1.30	1.74	1KHz/1V
SDS3015ELD-1R5N-LF	1.5 $\pm$ 30%	0.055	1.22	1.70	1KHz/1V
SDS3015ELD-1R8N-LF	1.8 $\pm$ 30%	0.070	1.16	1.64	1KHz/1V
SDS3015ELD-2R2N-LF	2.2 $\pm$ 30%	0.080	1.10	1.60	1KHz/1V
SDS3015ELD-2R7N-LF	2.7 $\pm$ 30%	0.084	0.93	1.45	1KHz/1V
SDS3015ELD-3R3N-LF	3.3 $\pm$ 30%	0.109	0.90	1.24	1KHz/1V
SDS3015ELD-3R9N-LF	3.9 $\pm$ 30%	0.138	0.82	1.12	1KHz/1V
SDS3015ELD-4R7N-LF	4.7 $\pm$ 30%	0.159	0.74	1.10	1KHz/1V
SDS3015ELD-5R6N-LF	5.6 $\pm$ 30%	0.187	0.70	1.06	1KHz/1V
SDS3015ELD-6R8N-LF	6.8 $\pm$ 30%	0.199	0.62	1.00	1KHz/1V
SDS3015ELD-8R2N-LF	8.2 $\pm$ 30%	0.276	0.58	0.90	1KHz/1V
SDS3015ELD-100M-LF	10 $\pm$ 20%	0.293	0.50	0.80	1KHz/1V
SDS3015ELD-120M-LF	12 $\pm$ 20%	0.389	0.44	0.70	1KHz/1V
SDS3015ELD-150M-LF	15 $\pm$ 20%	0.444	0.42	0.70	1KHz/1V
SDS3015ELD-180M-LF	18 $\pm$ 20%	0.587	0.38	0.62	1KHz/1V
SDS3015ELD-220M-LF	22 $\pm$ 20%	0.708	0.34	0.48	1KHz/1V

- Inductance tested at 1kHz, 1 Vrms, 0 Adc using an Agilent/HP 4284A LCR meter or equivalent.
- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- Irms: Current that causes the specified temperature rise from 25°C ambient.
- Electrical specifications at 25°C.
- Packing Qty 1,000pcs with 7' reel (178mm)