

Low Profile Shielded Power Inductors - SDS3015EHP Series

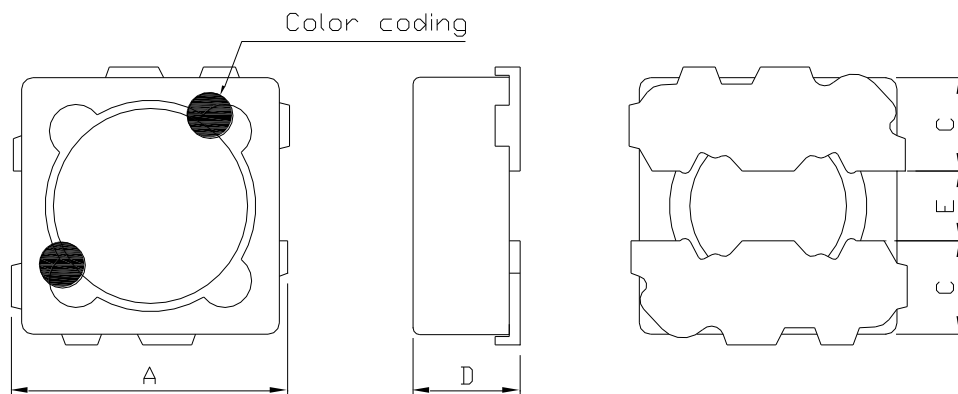


PART NUMBERING SYSTEM

SDS	3015EHP	—	150M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

SHAPES AND DIMENSIONS

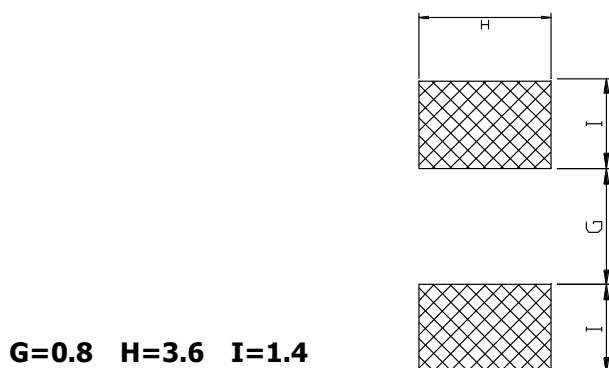
UNIT : mm



A=3.4 Max. B=3.4 Max. C=1.1 Typ. D=1.60 Max. E=0.8 Ref.

RECOMMENDED PATTERNS

UNIT : mm



G=0.8 H=3.6 I=1.4

FEATURES

- Compact, Low profile shielded power inductor – only 1,55 mm high, 3.2 mm square
- Ideal for high-density applications
- Flat bottom surface ensure secure , reliable mounting .
- Handles current up to 3.4 Amps!
- RoHS-compliant. 260°C compatible.



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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	DCR (Ω) (Typ.)	Isat (A) (Max.)	Irms (A) @ 40°C Rise	TEST FREQ. (Freq.)
SDS3015EHP-R47N-LF	0.47 \pm 30%	0.040	3.40	3.40	1KHz/1V
SDS3015EHP-1R0M-LF	1.0 \pm 20%	0.049	3.00	3.00	1KHz/1V
SDS3015EHP-1R5M-LF	1.5 \pm 20%	0.090	2.50	2.00	1KHz/1V
SDS3015EHP-2R2M-LF	2.2 \pm 20%	0.090	2.10	1.80	1KHz/1V
SDS3015EHP-3R3M-LF	3.3 \pm 20%	0.149	1.72	1.60	1KHz/1V
SDS3015EHP-3R9M-LF	3.9 \pm 20%	0.158	1.56	1.50	1KHz/1V
SDS3015EHP-4R7M-LF	4.7 \pm 20%	0.197	1.50	1.20	1KHz/1V
SDS3015EHP-5R6M-LF	5.6 \pm 20%	0.232	1.30	1.10	1KHz/1V
SDS3015EHP-6R8M-LF	6.8 \pm 20%	0.266	1.30	1.00	1KHz/1V
SDS3015EHP-100M-LF	10 \pm 20%	0.403	1.10	0.85	1KHz/1V
SDS3015EHP-150M-LF	15 \pm 20%	0.567	0.86	0.70	1KHz/1V
SDS3015EHP-220M-LF	22 \pm 20%	0.905	0.68	0.58	1KHz/1V
SDS3015EHP-330M-LF	33 \pm 20%	1.486	0.48	0.42	1KHz/1V
SDS3015EHP-470M-LF	47 \pm 20%	1.814	0.44	0.39	1KHz/1V
SDS3015EHP-680M-LF	68 \pm 20%	3.520	0.33	0.35	1KHz/1V
SDS3015EHP-820M-LF	82 \pm 20%	3.780	0.31	0.34	1KHz/1V
SDS3015EHP-101M-LF	100 \pm 20%	3.840	0.28	0.38	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 temperature rise for 40°C.
- Operating temperature range -40°C to +125°C , Electrical specifications at 25°C .
- Packing Qty 1,000pcs with 7' reel (178mm)