

SDS3015EHP SERIES ~ *New Products*

Low Profile Shielded Power Inductors

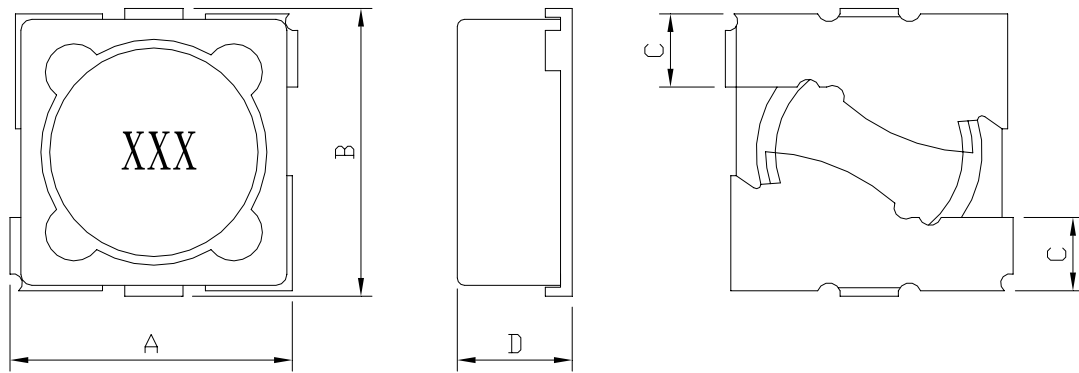


PART NUMBERING SYSTEM

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

SHAPES AND DIMENSIONS

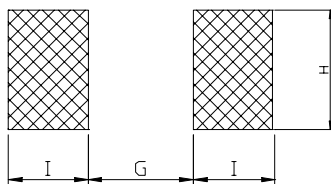
UNIT : mm



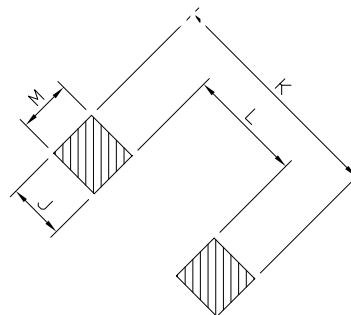
A=3.4 Max. B=3.4 Max. C=0.8 Typ. D=1.60 Max

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)
SDS3015EHP-1R0N-LF	1.2 $\pm$ 30%	0.059	3.00	2.00	1KHz/1V
SDS3015EHP-1R5N-LF	1.5 $\pm$ 30%	0.075	2.66	1.54	1KHz/1V
SDS3015EHP-2R2N-LF	2.2 $\pm$ 30%	0.102	2.10	1.28	1KHz/1V
SDS3015EHP-3R3N-LF	3.3 $\pm$ 30%	0.171	1.72	1.10	1KHz/1V
SDS3015EHP-3R9N-LF	3.9 $\pm$ 30%	0.178	1.56	1.02	1KHz/1V
SDS3015EHP-4R7N-LF	4.7 $\pm$ 30%	0.214	1.50	0.96	1KHz/1V
SDS3015EHP-6R8N-LF	6.8 $\pm$ 30%	0.295	1.30	0.84	1KHz/1V
SDS3015EHP-100M-LF	10 $\pm$ 20%	0.432	1.10	0.74	1KHz/1V
SDS3015EHP-150M-LF	15 $\pm$ 20%	0.621	0.86	0.60	1KHz/1V
SDS3015EHP-220M-LF	22 $\pm$ 20%	1.028	0.68	0.46	1KHz/1V
SDS3015EHP-470M-LF	47 $\pm$ 20%	2.177	0.44	0.26	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)