



# SDS4010E SERIES ~ **New Products**



RoHS Compliant

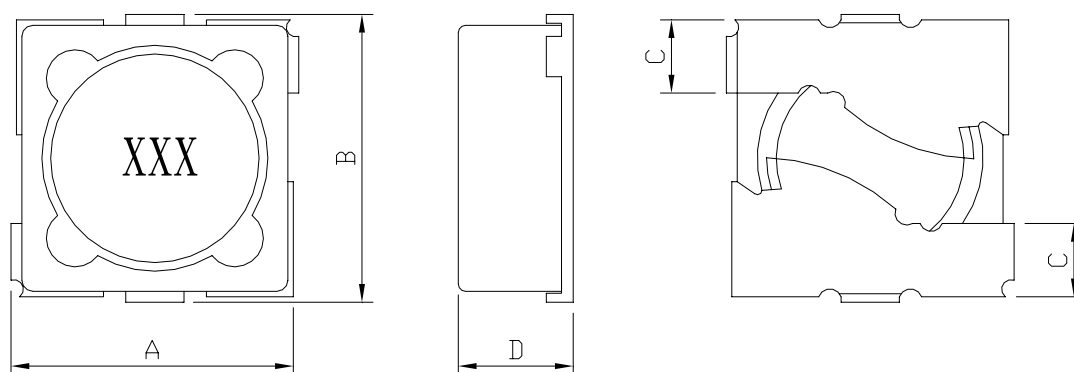
## Low Profile Shielded Power Inductors

### PART NUMBERING SYSTEM

<b>SDS</b>	<b>4010E</b>	—	<b>1 0 0 M</b>	—	<b>LF</b>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

### SHAPES AND DIMENSIONS

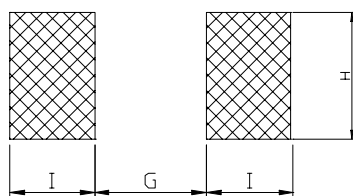
UNIT : mm



**A=4.0 Max. B=4.0 Max. C=1.2 Typ. D=1.0 Max**

### RECOMMENDED PATTERNS

UNIT : mm



**G=1.2 H=4.2 I=1.5**

### FEATURES

- **Compact, Low profile shielded power inductor** – only **1,00 mm** high, **4.0 mm** square
- Ideal for **high-density applications**
- **Flat bottom surface ensure secure , reliable mounting .**
- Handles **current up to 2.4 Amps!**
- **RoHS-compliant.** 260°C compatible.



## SDS4010E SERIES ~ **New Products**



RoHS Compliant

### Low Profile Shielded Power Inductors

#### SPECIFICATION TABLE

PART NUMBER	INDUCTANCE ( $\mu$ H)	DCR ( $\Omega$ ) (Max.)	Isat ( A )	Irms ( A ) @ 25°C Rise	TEST FREQ. ( f )
SDS4010E-1R0N-LF	1.0 $\pm$ 30%	0.132	2.40	1.50	1KHz/1V
SDS4010E -1R5N-LF	1.5 $\pm$ 30%	0.180	2.14	1.30	1KHz/1V
SDS4010E -2R2N-LF	2.2 $\pm$ 30%	0.255	1.80	1.02	1KHz/1V
SDS4010E -3R3N-LF	3.3 $\pm$ 30%	0.371	1.52	0.88	1KHz/1V
SDS4010E-4R7N-LF	4.7 $\pm$ 30%	0.470	1.38	0.80	1KHz/1V
SDS4010E-6R8N-LF	6.8 $\pm$ 30%	0.696	1.08	0.60	1KHz/1V
SDS4010E-100M-LF	10 $\pm$ 20%	1.235	0.82	0.42	1KHz/1V
SDS4010E-150M-LF	15 $\pm$ 20%	1.620	0.74	0.36	1KHz/1V
SDS4010E-220M-LF	22 $\pm$ 20%	2.430	0.56	0.30	1KHz/1V
SDS4010E-270M-LF	27 $\pm$ 20%	2.879	0.52	0.28	1KHz/1V
SDS4010E-330M-LF	33 $\pm$ 20%	3.433	0.46	0.24	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 )