



# SDS3015K SERIES ~

## Low Profile Shielded Power Inductors



RoHS Compliant

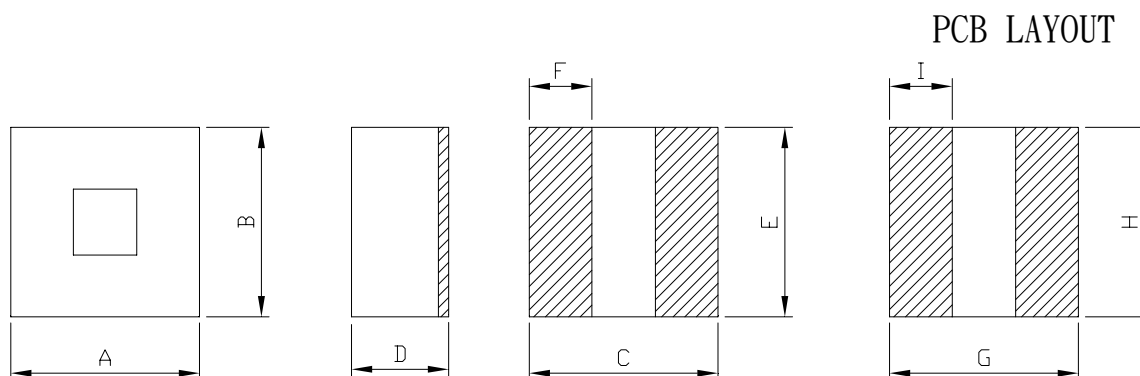
***New Products***

### PART NUMBERING SYSTEM

<b>SDS</b>	<b>3015K</b>	—	<b>6 R 8 M</b>	—	<b>LF</b>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

### SHAPES , DIMENSIONS AND RECOMMENDED PATTERNS

UNIT :



A=3.2 Max. B=3.2 Max. C=3.0 Ref. D=1.6 Max. E=3.0 Ref. F=0.9 Ref. G=3.2 Ref. H=3.2 Ref. I=1.1 Ref.

### FEATURES :

- Excellent shielded construction .
- Low profile inductor ( 3.2x3.2x1.5 mm Max. )
- Lowest DCR / large currents .
- Low buzz noise
- Ideal in variety of DC-DC converter inductors application .
- Application for MP3 , PDA , Blue Tooth , LCD panel , Mobile phone .
- Halogen Free , Lead Free and RoHS compliant .



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#### SPECIFICATION TABLE

PART NUMBER	INDUCTANCE ( $\mu$ H)	DCR ( $\Omega$ ) Max. ( ) is typ.	Isat (A) Max.	Irms (A) Max.	TEST FREQ. ( f )
SDS3015K-1R5N-LF	1.5 $\pm$ 30%	0.060(0.051)	1.60	2.00	100KHz 500mV
SDS3015K-2R2N-LF	2.2 $\pm$ 30%	0.075(0.065)	1.50	1.60	100KHz 500mV
SDS3015K-3R3N-LF	3.3 $\pm$ 30%	0.110(0.095)	1.10	1.35	100KHz 500mV
SDS3015K-4R7M-LF	4.7 $\pm$ 20%	0.145(0.125)	0.90	1.25	100KHz 500mV
SDS3015K-6R8M-LF	6.8 $\pm$ 20%	0.190(0.168)	0.80	1.10	100KHz 500mV
SDS3015K-100M-LF	10 $\pm$ 20%	0.330(0.304)	0.60	0.85	100KHz 500mV
SDS3015K-150M-LF	15 $\pm$ 20%	0.495(0.465)	0.50	0.75	100KHz 500mV
SDS3015K-220M-LF	22 $\pm$ 20%	0.640(0.615)	0.40	0.60	100KHz 500mV
SDS3015K-330M-LF	33 $\pm$ 20%	1.250(1.160)	0.30	0.35	100KHz 500mV

- ※ **Isat:** DC current at which the inductance drops 30% (typ) from its value without current.
- ※ **Irms:** Average current for 40°C (max) rise from +25°C ambient.
- ※ **Operating temperature range** -40°C to +85°C.
- ※ **Electrical specifications at 20°C.**
- ※ **Packing :** 7" reel, machine-ready ,embossed plastic tape (1,000 parts per full reel) .