

## New Product

**SURFACE MOUNT  
SHIELDED POWER INDUCTOR  
SERIES SDC7330**

### FEATURES

- RoHS compliant
- Shielded
- Low profile
- Ideal for use in LCD drivers, notebook computers, digital cameras, TV, mobile devices and DC-DC converters

### ELECTRICAL SPECIFICATIONS

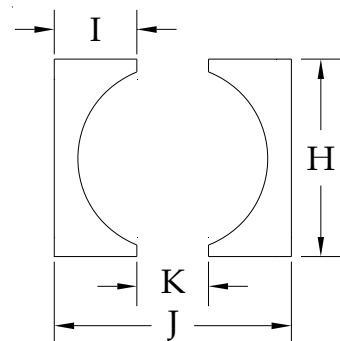
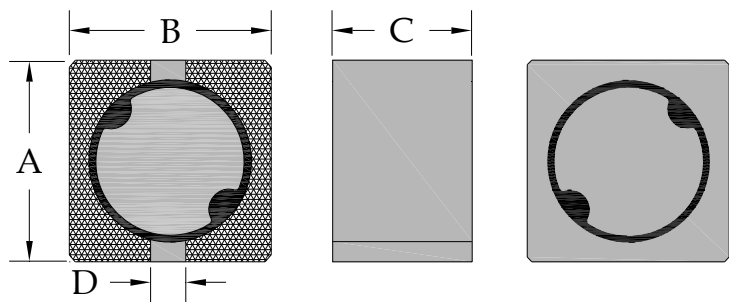
- Inductance range 1uH to 10000uH
- Test condition 0.25Vrms @ 100kHz
- Test instrument Quadtech 1750 LCR Meter
- Tolerances available 20% (M) and 30% (Y)

### PHYSICAL SPECIFICATIONS

- Operating temp. -25°C to +105°C
- Core Ferrite
- Packaging T & R 1000 pieces per reel
- Tape & reel spec. Tape 16 mm embossed carrier
- Reel 330 mm

### Dimensions in millimeters

- Length A 7.3 ± 0.3
- Width B 7.3 ± 0.3
- Height C 3.0 ± 0.3
- Terminal pitch D 3.0 ref



### Suggested PCB land pattern

- H = 7.8
- I = 2.5
- J = 7.8
- K = 2.8

### SPECIFICATIONS

Part Number	L(uH)	Tol % ±	DCR (ohms) max	Rated Current (A) (Note 1)
SDC7330-1R0	1.0	20, 30	0.018	5.00
SDC7330-1R2	1.2	20, 30	0.020	4.80
SDC7330-1R8	1.8	20, 30	0.020	4.00
SDC7330-2R2	2.2	20, 30	0.025	3.50
SDC7330-2R4	2.4	20, 30	0.030	3.40
SDC7330-2R5	2.5	20, 30	0.030	3.40
SDC7330-3R3	3.3	20, 30	0.030	3.20
SDC7330-3R5	3.5	20, 30	0.032	3.00
SDC7330-4R7	4.7	20, 30	0.04	2.20
SDC7330-6R8	6.8	20, 30	0.05	1.80
SDC7330-100	10	20, 30	0.08	1.40
SDC7330-120	12	20, 30	0.10	1.30
SDC7330-150	15	20, 30	0.11	1.20
SDC7330-180	18	20, 30	0.13	1.10
SDC7330-220	22	20, 30	0.18	1.00
SDC7330-270	27	20, 30	0.20	0.90
SDC7330-330	33	20, 30	0.26	0.82
SDC7330-390	39	20, 30	0.30	0.75
SDC7330-470	47	20, 30	0.41	0.68
SDC7330-560	56	20, 30	0.43	0.62
SDC7330-680	68	20, 30	0.50	0.58
SDC7330-820	82	20, 30	0.72	0.55
SDC7330-101	100	20, 30	0.78	0.50
SDC7330-221	220	20, 30	1.545	0.30
SDC7330-271	270	20, 30	1.68	0.34
SDC7330-331	330	20, 30	1.90	0.31
SDC7330-102	1000	20, 30	6.80	0.17
SDC7330-103	10000	20, 30	73.23	0.05

#### Notes:

1. Based on ΔL of 30% max or ΔT of 40°C max, whichever occurs first
2. All test data based on 25°C ambient. Part temperature (max ambient + temp rise) must not exceed 105°C under worst case operating conditions. Circuit design, other components, PCB trace size and thickness, airflow and other cooling provisions all effect the part temperature.