

New Product

FEATURES

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

SURFACE MOUNT SHIELDED POWER INDUCTOR SERIES SDC1067

ELECTRICAL SPECIFICATIONS

- Inductance range 0.56uH to 15uH
- Test condition 0.25Vrms @ 100kHz
- Test instrument Quadtech 1750 LCR Meter
- Tolerances available 20% (M) and 30% (Y)

PHYSICAL SPECIFICATIONS

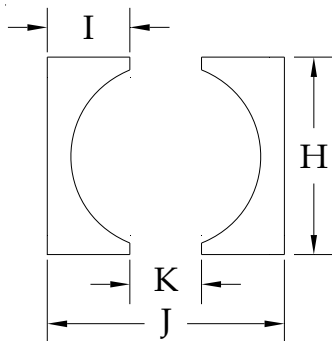
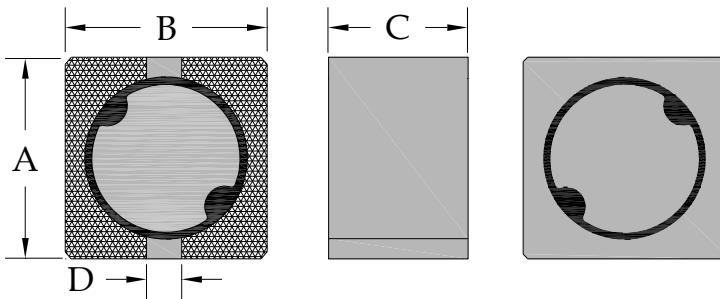
- Operating temp. -25°C to +105°C
- Core Ferrite
- Packaging T & R 500 pieces per reel
- Tape & reel spec. Tape 24 mm embossed carrier
- Reel 330 mm

SPECIFICATIONS

Part Number	L(uH)	Tol % ±	DCR (ohms) max	Rated Current (A) (Note 1)
SDC1067-R56	0.56	20, 30	0.006	10.18
SDC1067-1R0	1.0	20, 30	0.007	9.80
SDC1067-1R6	1.6	20, 30	0.0075	9.50
SDC1067-2R4	2.4	20, 30	0.0087	5.71
SDC1067-3R3	3.3	20, 30	0.013	5.30
SDC1067-4R3	4.3	20, 30	0.014	5.10
SDC1067-4R7	4.7	20, 30	0.015	5.00
SDC1067-5R6	5.6	20, 30	0.016	3.50
SDC1067-150	15	20, 30	0.023	2.16

Dimensions in millimeters

- Length A 10.0 ± 0.3
- Width B 10.0 ± 0.3
- Height C 6.7 max
- Terminal pitch D 2.5 ref



Suggested PCB land pattern

- H = 10.4
- I = 3.7
- J = 10.4
- K = 3.0

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.