

**SURFACE MOUNT POWER CHOKE
SERIES SD1006**

FEATURES

- Compact size
- High current capacity
- Good for auto insertion
- Low price
- Available in bulk or tape and reel

ELECTRICAL SPECIFICATIONS

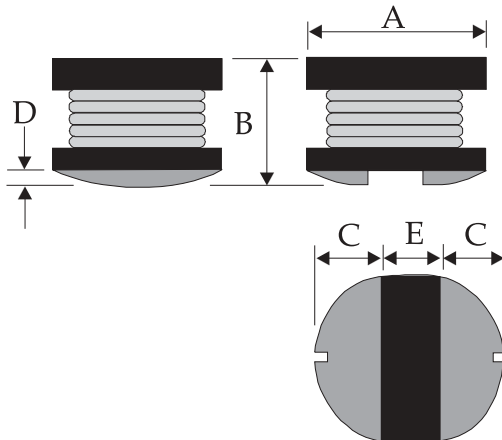
- Inductance range 10 μ H to 5000 μ H
- Test frequency 100 KHz with test level 0.01V
- Test equipment Quadtech 1750 LCR Meter
- Rated current range 0.10 to 3.0 Amps
- Tolerance $\pm 20\%$ and $\pm 10\%$
- Rated current Based on temperature rise maximum of 40°C

PHYSICAL SPECIFICATIONS

- Operating temp. -40°C to +125°C
- Core Ferrite
- Terminal construction Ag + Sn/Pb electroplate to core
- Packaging Bulk 100 pieces per bag
 T & R 700 pieces per reel
- Tape & reel spec. Tape 24 mm embossed carrier tape
 Reel 330 mm diameter reel

DIMENSIONS IN MILLIMETERS

- A 10 \pm 0.4
- Height B 5.5 \pm 0.5
- Terminal width C 3.6 nominal
- Terminal thickness D 1.1 nominal
- Distance between terminals E 2.7 nominal

**SPECIFICATIONS**

Part Number	L (μ H)	Tol % \pm	DCR Max (Ω)	Rated Current (mA)
SD1006-100M	10	20	0.06	3000
SD1006-120M	12	20	0.07	2800
SD1006-150M	15	20	0.08	2500
SD1006-180M	18	20	0.09	2400
SD1006-220M	22	20	0.10	2000
SD1006-270K	27	10	0.11	1800
SD1006-330K	33	10	0.12	1500
SD1006-390K	39	10	0.14	1400
SD1006-470K	47	10	0.17	1300
SD1006-560K	56	10	0.19	1250
SD1006-680K	68	10	0.22	1200
SD1006-820K	82	10	0.25	1000
SD1006-101K	100	10	0.33	1000
SD1006-121K	120	10	0.38	900
SD1006-151K	150	10	0.47	800
SD1006-181K	180	10	0.63	750
SD1006-221K	220	10	0.73	700
SD1006-271K	270	10	0.95	600
SD1006-331K	330	10	1.15	550
SD1006-391K	390	10	1.30	500
SD1006-471K	470	10	1.46	500
SD1006-561K	560	10	1.90	350
SD1006-681K	680	10	2.25	300
SD1006-821K	820	10	2.55	250
SD1006-502K	5000	10	15.0	100

SUGGESTED LAND PATTERN

A = 2.50 mm
B = 9.50 mm
C = 3.75 mm

