

**SURFACE MOUNT POWER CHOKE
SERIES SD0504**

FEATURES

- Small size
- High current capacity with RF frequency response
- Good for auto insertion
- Low price
- Available in bulk or tape and reel

ELECTRICAL SPECIFICATIONS

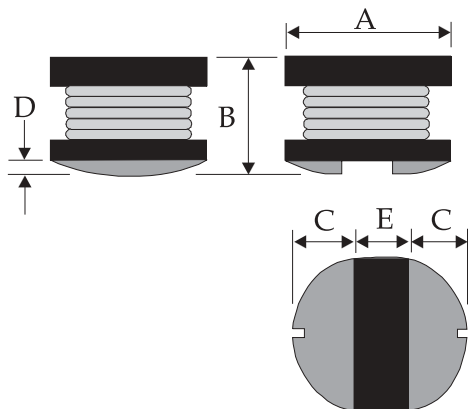
- Inductance range 10uH to 220uH
- Test frequency 100 KHz with test level 0.01 V
- Test equipment Quadtech 1750 LCR Meter
- Rated current range 0.35 to 1.44 Amps
- Tolerance ± 10% and ± 20%
- Rated current Based on temperature rise maximum of 40°C, and Lo drops 10% typical

PHYSICAL SPECIFICATIONS

- Operating temp. -40°C to +125°C
- Core Ferrite
- Terminal construction Ag + Sn/Pb electroplated to core
- Packaging Bulk 100 pieces per bag
 T & R 1500 pieces per reel
- Tape & reel spec. Tape 16 mm embossed carrier
 Reel 330 mm reel

DIMENSIONS IN MILLIMETERS

- A 5.8 ± 0.5
- Height B 4.5 ± 0.5
- Terminal width C 2.0 nominal
- Terminal thickness D 0.6 nominal
- Distance between terminals E 1.8 nominal

**SPECIFICATIONS**

Part Number	L (μH)	Tol % ±	DCR max (Ω)	Rated Current (mA)
SD0504-100M	10	20	0.10	1440
SD0504-120M	12	20	0.12	1400
SD0504-150M	15	20	0.14	1300
SD0504-180M	18	20	0.15	1230
SD0504-220M	22	20	0.18	1110
SD0504-270M	27	20	0.20	970
SD0504-330K	33	10	0.23	880
SD0504-390K	39	10	0.32	800
SD0504-470K	47	10	0.37	720
SD0504-560K	56	10	0.42	680
SD0504-680K	68	10	0.46	610
SD0504-820K	82	10	0.60	580
SD0504-101K	100	10	0.70	520
SD0504-121K	120	10	0.93	480
SD0504-151K	150	10	1.10	400
SD0504-181K	180	10	1.38	380
SD0504-221K	220	10	1.57	350

SUGGESTED LAND PATTERN

- A = 1.7 mm
- B = 5.5 mm
- C = 2.2 mm

