

**SURFACE MOUNT POWER CHOKE
SERIES SD0604**

FEATURES

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

ELECTRICAL SPECIFICATIONS

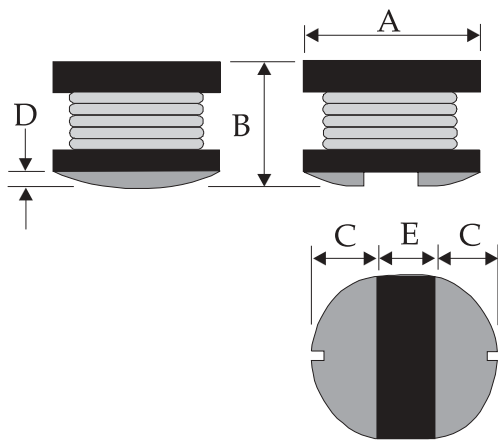
- Inductance range 3.3uH to 220uH
- Test frequency 100 KHz with test level 0.01 V
- Test equipment Quadtech 1750 LCR Meter
- Rated current range 0.35 to 2.00 Amps
- Tolerance $\pm 20\%$ and $\pm 10\%$
- Rated current Based on temperature rise maximum of 40°C

PHYSICAL SPECIFICATIONS

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

DIMENSIONS IN MILLIMETERS

- A 5.8 \pm 0.3
- Height B 4.8 \pm 0.3
- Terminal width C 2.1 nominal
- Terminal thickness D 0.8 nominal
- Distance between terminals E 1.8 nominal

**SPECIFICATIONS**

| Part Number | L (μ H) | Tol % \pm | DCR max (Ω) | Rated Current (mA) |
|-------------|--------------|-------------|----------------------|--------------------|
| SD0604-3R3M | 3.3 | 20 | 0.060 | 2000 |
| SD0604-3R9M | 3.9 | 20 | 0.065 | 1900 |
| SD0604-4R7M | 4.7 | 20 | 0.070 | 1800 |
| SD0604-5R6M | 5.6 | 20 | 0.075 | 1700 |
| SD0604-6R8M | 6.8 | 20 | 0.080 | 1600 |
| SD0604-8R2M | 8.2 | 20 | 0.090 | 1500 |
| SD0604-100M | 10 | 20 | 0.100 | 1450 |
| SD0604-120M | 12 | 20 | 0.120 | 1400 |
| SD0604-150M | 15 | 20 | 0.140 | 1300 |
| SD0604-180M | 18 | 20 | 0.150 | 1250 |
| SD0604-220M | 22 | 20 | 0.190 | 1100 |
| SD0604-270M | 27 | 20 | 0.220 | 1000 |
| SD0604-330K | 33 | 10 | 0.250 | 880 |
| SD0604-390K | 39 | 10 | 0.320 | 800 |
| SD0604-470K | 47 | 10 | 0.370 | 720 |
| SD0604-560K | 56 | 10 | 0.420 | 680 |
| SD0604-680K | 68 | 10 | 0.520 | 620 |
| SD0604-820K | 82 | 10 | 0.600 | 580 |
| SD0604-101K | 100 | 10 | 0.700 | 520 |
| SD0604-121K | 120 | 10 | 0.930 | 480 |
| SD0604-151K | 150 | 10 | 1.100 | 400 |
| SD0604-181K | 180 | 10 | 1.380 | 380 |
| SD0604-221K | 220 | 10 | 1.570 | 350 |

SUGGESTED LAND PATTERN

A = 1.4 mm
B = 5.8 mm
C = 2.3 mm

