

**SURFACE MOUNT POWER CHOKE  
SERIES SD0403**

**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**

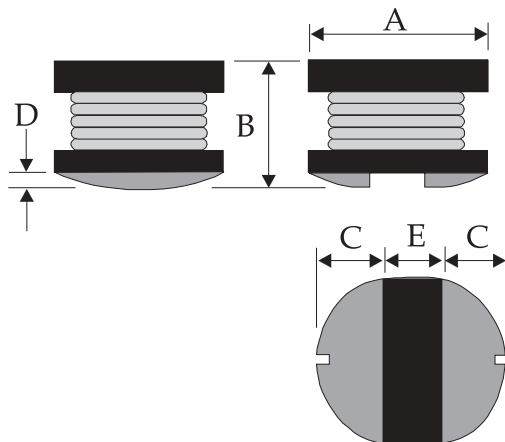
- Inductance range      1.0uH to 68uH
- Test frequency        100 KHz with test level 0.01 V
- Test equipment        Quadtech 1750 LCR Meter
- Rated current range    0.37 to 2.56 Amps
- Tolerance                 $\pm 10\%$  and  $\pm 20\%$
- Rated current         Based on temperature rise maximum of 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   2000 pieces per reel
- Tape & reel spec.      Tape    16 mm embossed carrier  
                                  Reel    330 mm plastic or paper

**DIMENSIONS IN MILLIMETERS**

- A                            4.5  $\pm$  0.3
- Height B                3.2  $\pm$  0.3
- Terminal width C       1.5 nominal
- Terminal thickness D   0.6 nominal
- Distance between terminals E 1.6 nominal

**SPECIFICATIONS**

Part Number	L (μH)	Tol % ±	DCR max (Ω)	Rated Current (mA)
SD0403-1R0M	1.0	20	0.049	2560
SD0403-1R4M	1.4	20	0.057	2520
SD0403-1R8M	1.8	20	0.064	1950
SD0403-2R2M	2.2	20	0.072	1750
SD0403-2R7M	2.7	20	0.079	1580
SD0403-3R3M	3.3	20	0.087	1440
SD0403-3R9M	3.9	20	0.094	1330
SD0403-4R7M	4.7	20	0.109	1150
SD0403-5R6M	5.6	20	0.126	990
SD0403-6R8M	6.8	20	0.132	950
SD0403-8R2M	8.2	20	0.147	840
SD0403-100M	10	20	0.182	1040
SD0403-120M	12	20	0.210	970
SD0403-150M	15	20	0.235	850
SD0403-180M	18	20	0.338	740
SD0403-220M	22	20	0.378	680
SD0403-270M	27	20	0.522	620
SD0403-330K	33	10	0.540	560
SD0403-390K	39	10	0.587	520
SD0403-470K	47	10	0.844	440
SD0403-560K	56	10	0.937	420
SD0403-680K	68	10	1.117	370

**SUGGESTED LAND PATTERN**

A = 1.5 mm  
B = 4.5 mm  
C = 1.7 mm

