

NEW PRODUCT

SURFACE MOUNT POWER CHOKE
SERIES SD0403

FEATURES

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

ELECTRICAL SPECIFICATIONS

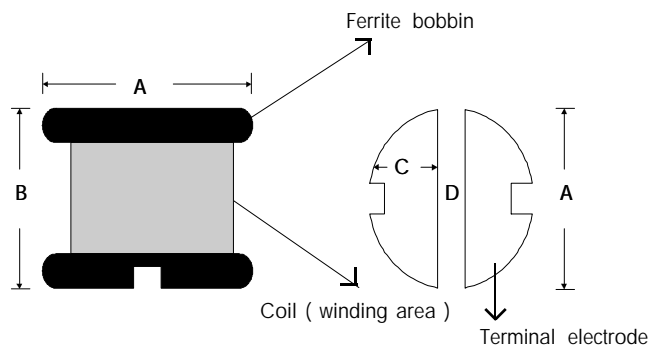
- Inductance range 1.0uH to 68uH
- Test frequency 100 KHz with test level 0.01 VRMS
- Test equipment HP4192A
- Rated current range 0.37 Amp to 2.56 Amps
- Tolerance $\pm 10\%$ and 20%
- Rated current Based on temperature rise maximum 40°C and L drops 10% from initial value

PHYSICAL SPECIFICATIONS

- Operating temperature -25°C to $+105^{\circ}\text{C}$
- Core Ferrite
- Terminal construction Ag + Sn / Pb electroplated to core
- Finish Varnish impregnated
- Packaging Bulk 500 pieces per bag
Tape and Reel 2500 pieces per reel
Tape spec 16mm embossed carrier tape
Reel size 330mm diameter plastic or paper

DIMENSIONS IN INCHES

- Diameter A 0.178" ± 0.02 "
- Height B 0.125" ± 0.02 "
- Terminal width C 0.05" ± 0.02 "
- Terminal thickness 0.02" ± 0.01 "
- Distance between terminals D 0.05" nominal

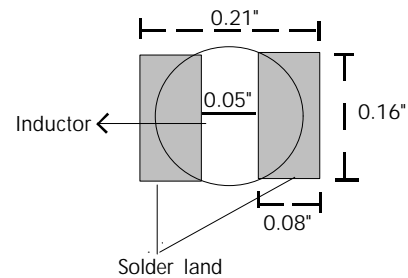


SPECIFICATIONS

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

Preliminary specifications.
Please call Technical Assistance for update.

SUGGESTED LAND PATTERN



Note : Please coat a silk screen between two terminals