LOW PROFILE, MINIATURE SMD POWER INDUCTORS SERIES SML

FEATURES

- Extremely thin, designed for applications where component size and height are critical
- Smallest possible size
- 100% shielded
- Highest performance to height ratio
- Sturdy construction
- Good for flow and reflow soldering

ELECTRICAL SPECIFICATIONS

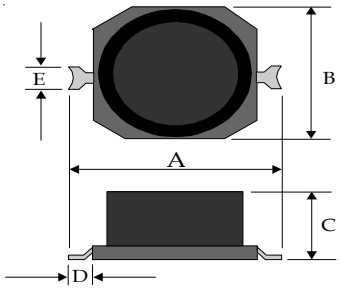
- Inductance range 1.0uH to 1000uH
- Test frequency 100 KHz with 0.1VAC test level
- Test equipment Quadtech 1750 LCR Meter
- Tolerance ± 10%
- Rated current Obtained when temperature rises up to 30°C

PHYSICAL SPECIFICATIONS

- Operating temp. -40°C to +105°C
- Material Ferrite
- Terminal Flat tinned copper
- Finish Coil is bonded to carrier with epoxy
- Packaging 2500 pieces per reel
- Tape & reel spec. Tape 16 mm embossed carrier tape
  Reel 330 mm paper or plastic reel

DIMENSIONS IN MILLIMETERS

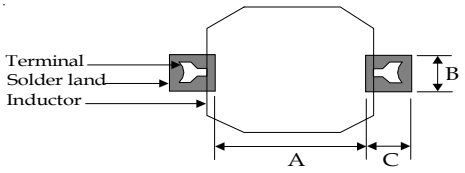
- Length A 6.35 ± 0.30
- Width B 4.06 ± 0.30
- Height C 2.79 ± 0.30
- Terminal length D 1.27 nominal
- Terminal width E 1.27 nominal



PRELIMINARY SPECIFICATIONS

Part Number	L (µH)	Tol % ±	DCR max (Ω)	Rated Current (mA)
SML-1R0K	1.0	10	0.05	3500
SML-1R5K	1.5	10	0.05	3000
SML-2R2K	2.2	10	0.06	2200
SML-3R3K	3.3	10	0.10	1800
SML-4R7K	4.7	10	0.11	1600
SML-6R8K	6.8	10	0.17	1400
SML-100K	10	10	0.26	1200
SML-150K	15	10	0.32	1000
SML-220K	22	10	0.52	900
SML-330K	33	10	0.60	800
SML-470K	47	10	0.80	600
SML-680K	68	10	1.60	500
SML-101K	100	10	1.80	400
SML-151K	150	10	2.30	350
SML-221K	220	10	4.30	300
SML-331K	330	10	6.80	250
SML-471K	470	10	7.20	200
SML-681K	680	10	14.20	200
SML-102K	1000	10	16.90	180

SUGGESTED LAND PATTERN



A = 3.55 mm
B = 1.52 mm
C = 1.52 mm