

**LOW PROFILE, MINIATURE
SMD POWER INDUCTORS
SERIES LP1608**

FEATURES

- Compact. Low profile. Sturdy construction
- Good for frequencies from 400KHz to 2MHz
- Low price

ELECTRICAL SPECIFICATIONS

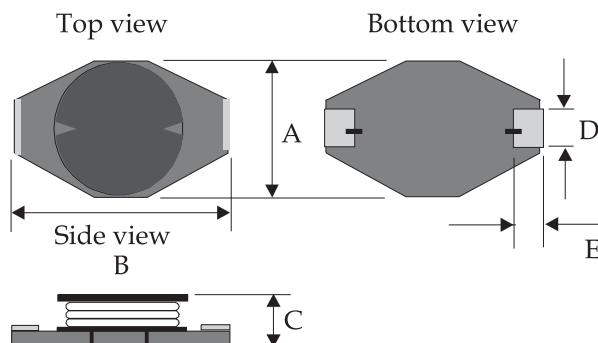
- Inductance range 1.0uH to 1000uH
- Tolerance $\pm 10\%$
- Test frequency 100 KHz with 0.1VAC test level
- Test equipment QuadTech 1750 LCR Meter
- Rated current Obtained when component exhibits maximum temperature rise of 30°C

PHYSICAL SPECIFICATIONS

- Operating temp. -40°C to +125°C
- Material Ferrite
- Terminal Flat tinned copper
- Finish Coil is bonded to carrier with epoxy
- Packaging 2500 pieces per reel
- Tape specification 16 mm embossed carrier

DIMENSIONS IN MILLIMETERS

- Diameter A 4.44 ± 0.20
- Total length B 6.80 ± 0.20
- Total height C 2.60 ± 0.20
- Terminal width D 1.34 nominal
- Terminal length E 1.30 nominal

**SPECIFICATIONS**

Part Number	L (μH)	Tol % $\pm$	DCR max (Ω)	Rated Current (mA)
LP1608-1R0K	1.0	10	0.03	3100
LP1608-1R5K	1.5	10	0.04	2800
LP1608-2R2K	2.2	10	0.05	2400
LP1608-3R3K	3.3	10	0.06	2200
LP1608-4R7K	4.7	10	0.07	1800
LP1608-6R8K	6.8	10	0.12	1400
LP1608-100K	10	10	0.17	1200
LP1608-150K	15	10	0.23	1000
LP1608-220K	22	10	0.33	800
LP1608-330K	33	10	0.45	700
LP1608-470K	47	10	0.64	600
LP1608-680K	68	10	0.91	500
LP1608-101K	100	10	1.36	375
LP1608-151K	150	10	2.10	330
LP1608-221K	220	10	2.67	300
LP1608-331K	330	10	4.16	210
LP1608-471K	470	10	5.34	190
LP1608-681K	680	10	7.68	160
LP1608-102K	1000	10	12.2	120

SUGGESTED LAND PATTERN

A = 3.05 mm

B = 2.50 mm

C = 2.50 mm

