

**SURFACE MOUNT POWER CHOKE
SERIES SPR**

FEATURES

- Compact size
- High inductance values
- High current handling capacity
- Available in both bulk or tape and reel
- Good for auto insertion
- Low price

ELECTRICAL SPECIFICATIONS

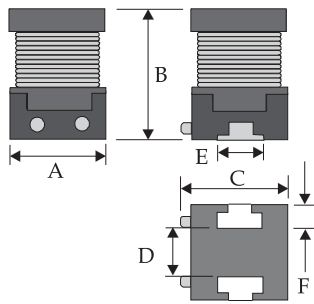
- Inductance range 1µH to 10000µH
- Test frequency 1 KHz
- Test equipment Quadtech 1750 LCR Meter
- Rated current range 50mA to 3000 mA
- Tolerance ± 10% over entire range*
- Rated current Based on temperature rise maximum of 40°C

PHYSICAL CHARACTERISTICS

- Operating temp. -40°C to +125°C
- Core Ferrite
- Carrier Safety rating UL94V-0
- Finish Coil bonded to carrier
- Packaging Bulk 100 pieces per bag
 T & R 400 pieces per reel
- Tape & reel spec. Tape 24 mm embossed carrier
 Reel 330 mm reel

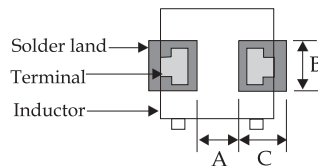
DIMENSIONS IN MILLIMETERS

- Side A (square base) 7.60 ± 0.5
- Height B 9.20 ± 0.3
- Total length including lead C 8.90 ± 0.5
- Terminal spacing D 3.8 nominal
- Terminal length E 3.8 nominal
- Terminal width F 2.0 nominal



SUGGESTED LAND PATTERN

A = 3.4 mm
B = 4.2 mm
C = 2.4 mm



* NOTE:
Tighter tolerances are available upon request.

SPECIFICATIONS

Part Number	L (µH)	Tol % ±	DCR max (Ω)	Rated Current (mA)
SPR-1R0K	1.0	10	.007	3000
SPR-1R5K	1.5	10	.008	3000
SPR-2R2K	2.2	10	.010	2500
SPR-2R7K	2.7	10	.012	2000
SPR-3R3K	3.3	10	.015	1500
SPR-3R9K	3.9	10	.019	1500
SPR-4R7K	4.7	10	.022	1500
SPR-5R6K	5.6	10	.024	1500
SPR-6R8K	6.8	10	.026	1500
SPR-8R2K	8.2	10	.028	1500
SPR-100K	10.0	10	.033	1500
SPR-120K	12	10	.037	1300
SPR-150K	15	10	.040	1300
SPR-180K	18	10	.044	1300
SPR-220K	22	10	.050	1300
SPR-270K	27	10	.058	1300
SPR-330K	33	10	.075	1100
SPR-390K	39	10	.094	850
SPR-470K	47	10	.109	850
SPR-560K	56	10	.140	850
SPR-680K	68	10	.145	850
SPR-820K	82	10	.152	850
SPR-101K	100	10	.208	650
SPR-121K	120	10	.283	500
SPR-151K	150	10	.340	500
SPR-181K	180	10	.362	500
SPR-221K	220	10	.430	500
SPR-271K	270	10	.557	500
SPR-331K	330	10	.830	500
SPR-391K	390	10	.920	400
SPR-471K	470	10	1.25	400
SPR-561K	560	10	1.45	400
SPR-681K	680	10	1.75	300
SPR-821K	820	10	2.00	250
SPR-102K	1000	10	2.60	250
SPR-122K	1200	10	3.00	200
SPR-152K	1500	10	3.60	200
SPR-182K	1800	10	4.30	200
SPR-222K	2200	10	5.20	200
SPR-272K	2700	10	6.00	150
SPR-332K	3300	10	8.20	150
SPR-392K	3900	10	9.20	150
SPR-472K	4700	10	9.66	100
SPR-562K	5600	10	13.90	100
SPR-682K	6800	10	16.30	80
SPR-822K	8200	10	20.80	80
SPR-103K	10000	10	26.40	50