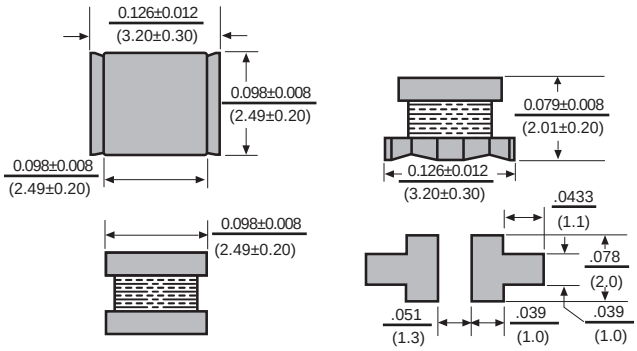
RoHS

Low Resistance Chip Inductors LRC20

Dimensions: Inches (mm)



Allied Part Number	Inductance (µh)	Tolerance (%)	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated Current (mA)
LRC20-R47M-RC	0.47	20	M	150	.0546	1100
LRC20-1R0M-RC	1.0	20	M	96	.120	1000
LRC20-2R2M-RC	2.2	20	M	64	.170	600
LRC20-3R3_-RC	3.3	20	K,M	60	.195	600
LRC20-3R9M-RC	3.9	20	M	50	.208	500
LRC20-4R7M-RC	4.7	20	M	43	.260	450
LRC20-6R8M-RC	6.8	20	M	30	.338	400
LRC20-100_-RC	10	10	K,M	26	.580	300
LRC20-220_-RC	22	10	K,M	19	.930	250
LRC20-330_-RC	33	10	K,M	15	1.43	200
LRC20-470_-RC	47	10	K,M	15	1.69	170
LRC20-560_-RC	56	10	K,M	12	2.99	150
LRC20-101_-RC	100	10	K,M	10	4.60	100
LRC20-221_-RC	220	10	J,K,M	6.8	11.0	70
LRC20-331_-RC	330	10	J,K,M	5.6	13.0	60
LRC20-391_-RC	390	10	K,M	5.0	22.0	60
LRC20-471_-RC	470	10	K,M	5.0	25.0	60
LRC20-561_-RC	560	10	K,M	5.0	29.0	60

*Tested at 1KHz.
*Please insert the letter for desired tolerance: J=5% K=10% M=20%
All specifications subject to change without notice.

Features

- Miniature SMT wire-wound open magnetic path construction inductors with low DCR, high current capacity and High Impedance Characteristics.
- Excellent solder heat resistance for flow and reflow soldering methods.
- Excellent for use as choke coils in DC/DC converter and DC power supply circuits.

Electrical

Inductance Range: .47µh to 560µh.
Tolerance: For 20% use M, 10% use K and 5% use J as part number suffix.
Test Frequency: Inductance measured on an HP4192 at 1MHz for all values except 470µh and 560µh. Which are tested at 1KHz.
Operating Temp. Range: -25° to +125°C.
Rated Current: Based on Temperature rise not to exceed 35ºC. Inductance Drop 10% typical.
Resistance to Soldering Heat: Pre heat: 150ºC ± 10ºC / 1-2 min. Solder temp: 260ºC ± 5ºC for 10 sec. ± 1 sec.

Physical

Packaging: 2000 pieces per 7 inch reel.