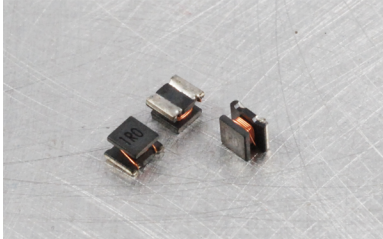
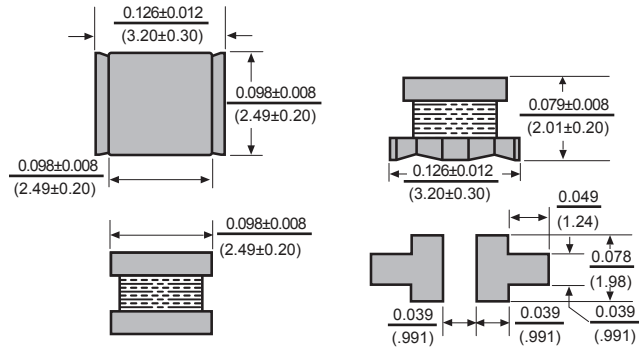




Low Resistance Chip Inductors LRC20



Dimensions: $\frac{\text{Inches}}{\text{(mm)}}$



Allied Part Number	Inductance (μh)	Tolerance (%)	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated Current (mA)
LRC20-1R0M-RC	1.0	20	1	96	.120	1000
LRC20-2R2M-RC	2.2	20	1	64	.170	600
LRC20-3R3M-RC	3.3	20	1	60	.195	600
LRC20-3R9M-RC	3.9	20	1	50	.208	500
LRC20-4R7M-RC	4.7	20	1	43	.260	450
LRC20-6R8M-RC	6.8	20	1	30	.338	400
LRC20-100K-RC	10	10	1	26	.580	300
LRC20-220K-RC	22	10	1	19	.930	250
LRC20-330K-RC	33	10	1	15	1.43	200
LRC20-470K-RC	47	10	1	15	1.69	170
LRC20-560K-RC	56	10	1	12	2.99	150
LRC20-101K-RC	100	10	1	10	4.60	100
LRC20-221K-RC	220	10	1	6.8	11.0	70
LRC20-331K-RC	330	10	1	5.6	13.0	60
LRC20-391K-RC	390	10	1	5.0	22.0	60
LRC20-471K-RC	470	10	*1	5.0	25.0	60
LRC20-561K-RC	560	10	*1	5.0	29.0	60

*Tested at 1KHz.
Available in tighter tolerances.
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: 1.0μh 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 +85°C.

Rated Current: Based on Temperature rise not to exceed 35°C. Inductance Drop 10% typical.

Resistance to Soldering Heat: Pre heat: 150°C ± 10°C / 1-2 min. Solder temp: 260°C ± 5°C for 10 sec. ± 1 sec.

Physical

Packaging: 2000 pieces per 7 inch reel.
7500 pieces per 13 inch reel.