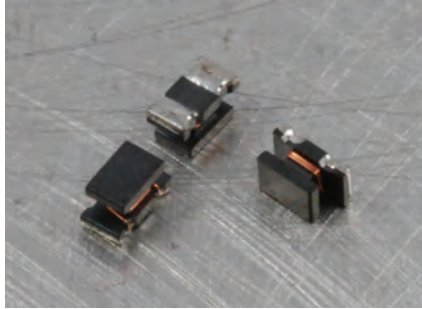
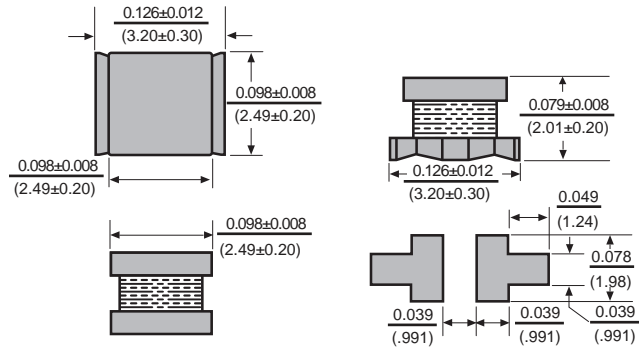




# Low Resistance Chip Inductors LRC20L



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



Allied Part Number	Inductance (μh)	Tolerance (%)	Test Freq. (MHz)	SRF Min. (MHz)	RDC (Ω) +/-30%	Rated Current (A)
LRC20L-R15M-RC	.15	20	0.1V	400	0.028	1.45
LRC20L-R27M-RC	.27	20	0.1V	250	0.034	1.25
LRC20L-R47M-RC	.47	20	0.1V	150	0.042	1.10
LRC20L-1R0M-RC	1.0	20	0.1V	100	0.060	1.00
LRC20L-1R5M-RC	1.5	20	0.1V	85	0.063	0.90
LRC20L-2R2M-RC	2.2	20	0.1V	64	0.097	0.79
LRC20L-3R3M-RC	3.3	20	0.1V	55	0.130	0.70
LRC20L-4R7M-RC	4.7	20	0.1V	43	0.150	0.65
LRC20L-6R8M-RC	6.8	20	0.1V	30	0.210	0.60
LRC20L-100M-RC	10	20	0.1V	26	0.30	0.45
LRC20L-120M-RC	12	20	0.1V	31	0.40	0.76

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:** .15uH to 12uH

**Tolerance:** 20% for all values, Values from 10uh and above are also in 10%, please change the "M" in the part number to a "K" for 10%.

**Test Frequency:** Inductance measured on an HP4192 at 1MHz

**Operating Temp. Range:** -25° to +125°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.