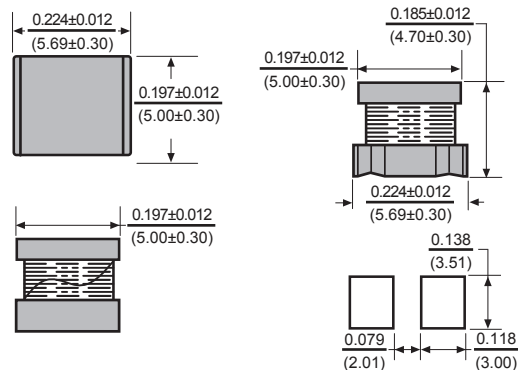




Low Resistance Chip Inductors LRC40



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



Allied Part Number	Inductance (μ h)	Tolerance (%)	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated Current (A)
LRC40-R12M-RC	.12	20	1	450	0.098	6.0
LRC40-R27M-RC	.27	20	1	300	0.014	5.3
LRC40-R47M-RC	.47	20	1	200	.0182	4.8
LRC40-1R0M-RC	1.0	20	1	150	0.027	4.0
LRC40-1R5M-RC	1.5	20	1	110	0.031	3.7
LRC40-2R2M-RC	2.2	20	1	80	0.041	3.2
LRC40-3R3M-RC	3.3	20	1	40	0.050	2.9
LRC40-4R7M-RC	4.7	20	1	30	.0574	2.7
LRC40-6R8M-RC	6.8	20	1	25	0.104	2.0
LRC40-100K-RC	10	10	1	20	0.130	1.7
LRC40-150K-RC	15	10	1	17	0.210	1.4
LRC40-220K-RC	22	10	1	15	0.266	1.2
LRC40-330K-RC	33	10	1	12	0.448	0.9
LRC40-470K-RC	47	10	1	10	0.560	0.8
LRC40-680K-RC	68	10	1	7.6	0.938	0.64
LRC40-101K-RC	100	10	.10	6.5	1.204	0.56
LRC40-151K-RC	150	10	.10	5.0	2.660	0.42
LRC40-221K-RC	220	10	.10	4.0	3.360	0.32
LRC40-331K-RC	330	10	.10	3.1	6.160	0.27
LRC40-471K-RC	470	10	.10	2.4	7.560	0.24
LRC40-681K-RC	680	10	.10	1.9	11.34	0.19
LRC40-102K-RC	1000	10	.01	1.7	14.42	0.15
LRC40-222K-RC	2200	10	.01	1.2	30.10	0.10
LRC40-472K-RC	4700	10	.01	0.8	61.04	0.07
LRC40-103K-RC	10000	10	.01	0.5	140.0	0.05

Features

- SMT chokes which have low DCR, high current capacity and high inductance values.
- Excellent for use as choke coils in DC/DC converts and DC power supply circuits.
- Open magnetic path construction.
- Inductance values up to 1000 μ h.
- Excellent solder heat resistance flow and reflow soldering methods.

Electrical

Inductance Range: .12 μ h to 10000 μ h.

Tolerance: For 20% use M, 10% use K

Test Frequency: .12 μ h to .68 μ h measured at 1MHz, 100 μ h to 680 μ h measured at .1MHz, 1000 μ h to 10,000 μ h measured at .01MHz.

Operating Temp. Range: -25° to +85°C.

Physical

Packaging: 1,000 pieces per 13 inch reel.

Available in tighter tolerances.
All specifications subject to change without notice.