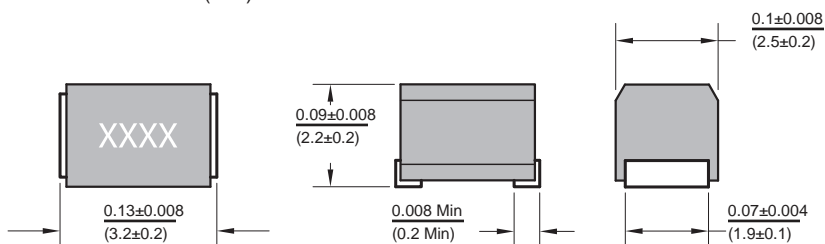
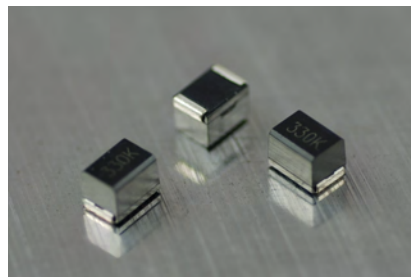


MCHC20 Molded Chip Inductor High Current



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



Features

- 1210 High Current Molded Chip Inductor
- High Resistance to Mechanical Shock
- Precision Molding for Auto Insertion
- Excellent Solder Heat Resistance
- Welded internal lead frame to coil wire connection
- Cross to NLCV32T

Electrical

Inductance Range: .15 μ h ~ 330 μ h

Tolerance: .15 μ h ~ 2.2 μ h available in 20%
3.3 μ h ~ 330 μ h available in 10% & 20%

Test Frequency: .15 μ h ~ .47 μ h @ 25.2MHz,
1.0 μ h ~ 6.8 μ h @ 7.96Hz, 10 μ h ~ 82 μ h @ 2.52MHz,
100 μ h ~ 330 μ h @ .796MHz

Test OSC @ 500mV

Operating Temp: -40°C ~ +85°C

IDC: The current at which inductance will drop no more than 10% of it's initial value.

Resistance to Soldering Heat

Pre-heating: 150°C, 1min

Solder Temperature: 260 \pm 5°C

Immersion Time: 10 \pm 1sec

Physical

Packaging: 2000 pieces, 7" reel
Marking: EIA inductance code

Allied Part Number	Inductance (μ h)	Tolerance (%)	Q Min.	L,Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	IDC (mA)
MCHC20-R15M-RC	0.15	20	5	25.2	400	0.25	750
MCHC20-R22M-RC	0.22	20	5	25.2	250	0.30	750
MCHC20-R47M-RC	0.47	20	5	25.2	150	0.30	750
MCHC20-1R0M-RC	1.0	20	10	7.96	100	0.30	750
MCHC20-1R5M-RC	1.5	20	10	7.96	80	0.30	700
MCHC20-2R2M-RC	2.2	20	10	7.96	68	0.30	600
MCHC20-3R3K-RC	3.3	10, 20	10	7.96	54	0.35	500
MCHC20-4R7K-RC	4.7	10, 20	15	7.96	46	0.45	430
MCHC20-6R8K-RC	6.8	10, 20	15	7.96	38	0.50	360
MCHC20-100K-RC	10	10, 20	15	2.52	30	0.80	300
MCHC20-150K-RC	15	10, 20	15	2.52	26	1.6	250
MCHC20-220K-RC	22	10, 20	15	2.52	21	2.2	210
MCHC20-330K-RC	33	10, 20	15	2.52	17	2.8	170
MCHC20-470K-RC	47	10, 20	15	2.52	14	3.2	150
MCHC20-560K-RC	56	10, 20	15	2.52	13	5.0	120
MCHC20-680K-RC	68	10, 20	15	2.52	12	5.0	120
MCHC20-820K-RC	82	10, 20	15	2.52	10	6.5	110
MCHC20-101K-RC	100	10, 20	15	0.796	10	7.5	100
MCHC20-151K-RC	150	10, 20	20	0.796	7	11	85
MCHC20-221K-RC	220	10, 20	20	0.796	6	14	70
MCHC20-331K-RC	330	10, 20	20	0.796	5	21	60

All specifications subject to change without notice.