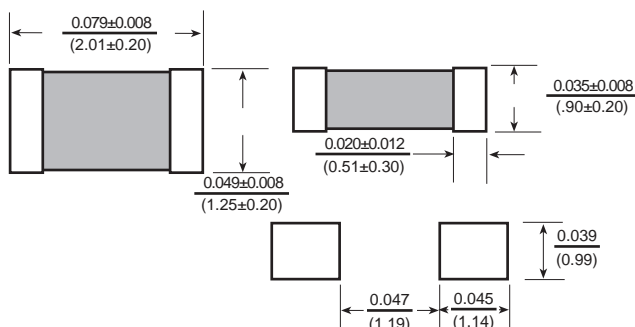


MLHC10 High Current Multilayer Inductor



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



Features

- 0805 EIA Size
- High Current Capacity
- Multilayer Ferrite Construction
- Excellent Solderability Characteristics

Electrical

Inductance Range: 1.0 μ h ~ 4.7 μ h

Tolerance: 5% across entire range

Also available in 10% & 20%

Test Frequency: (L) 1MHz, 200mV

Operating Temp: -40°C ~ 105°C

Rated Current: Based on a temp rise of no more than 30°C

Allied Part Number	Inductance (μ h)	Tolerance (%)	Test Freq. (MHz)	DCR Max. (Ω)	Rated Current Max. (mA)
MLHC10-1R0M-RC	1.0	20	1 MHz, 200mV	0.06	2200
MLHC10-2R2M-RC	2.2	20	1 MHz, 200mV	0.10	2000
MLHC10-3R3M-RC	3.3	20	1 MHz, 200mV	0.12	1500
MLHC10-4R7M-RC	4.7	20	1 MHz, 200mV	0.30	900

All specifications subject to change without notice.

Resistance to Soldering Heat

Pre-heating: 150°C, 1min

Solder Composition: Sn/Ag3.0/Cu0.5

Solder Temperature: 260 \pm 5°C

Immersion Time: 10 \pm 1sec

No Damage with more than 75% coverage

Inductance within 20% of initial value.

Test Equipment

(L): HP4291A RF Impedance Analyzer

DCR: Chen Hwa 502 BC

IDC: HP4284A with HP42841A /

HP4285A with HP42841A

Physical

Packaging: 4000 pieces per 7 inch reel.

Marking: None

Inductance v. Frequency Curve

MLHC10-4R7M-RC

