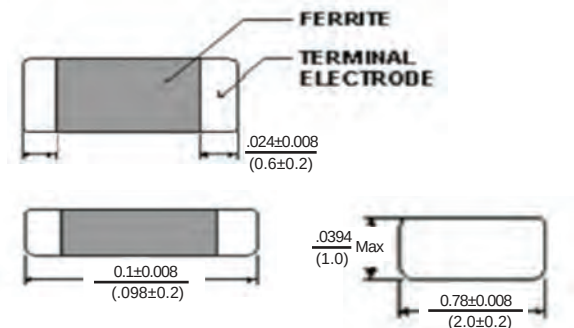




Multilayer Power Chip Inductor MLPCH15

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



Allied Part Number	Inductance (μ h)	Tolerance (%) ★	Test Freq. (MHz)	DCR Max. (Ω) $\pm$ 2.5%	Isat (mA) Max.	Irms (mA) Max.
MLPCH15-R47_-RC	.24	M,T	3MHz, 200mV	0.024	4800	4100
MLPCH15-1R0_-RC	.47	M,T	3MHz, 200mV	0.04	3100	3000
MLPCH15-1R5_-RC	1.0	M,T	3MHz, 200mV	0.05	1500	2900
MLPCH15-4R7_-RC	2.2	M,T	3MHz, 200mV	0.11	1400	1600

*Insert letter for desired tolerance. M=20%, T=30%
All specifications subject to change without notice.

Features

- Magnetically shielded construction
- High Current Capacity up to 4.8A
- Expanded operating temp range
- Low DC Resistance
- Suitable for pick and place

Electrical

Inductance Range: .24 μ h ~ 2.2 μ h

Tolerance: Available as noted. Insert letter for desired tolerance.

Test Frequency: 3MHz, 200mV

Operating Temp: -55°C ~ 125°C

Isat: Based on a 30% Inductance drop from its original value without current.

Irms: Based on a 40°C temp rise above ambient 25°C.

Under no condition should the temperature of the part exceed 125°C.

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

Test Equipment

(L): WK 3260B

DCR: Chen HWA502

IDC: 3260B WK & DC Bias 3265B WK

Physical

Packaging: 3000 pieces per 7 inch reel.

Marking: None