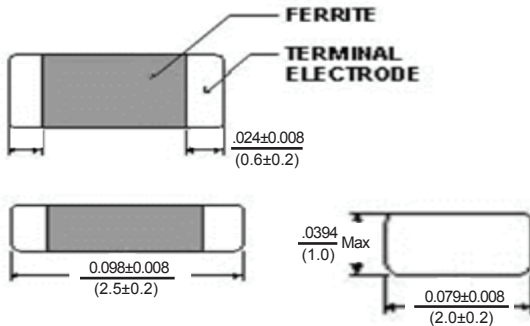




# Multilayer Power Chip Inductor MLPCH15

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



Allied Part Number	Inductance (μh)	Tolerance (%) *	Test Freq. (MHz)	DCR Max. (Ω)±25%	Isat (mA)Max.	Irms (mA)Max.
MLPCH15-R24_-RC	.24	M,T	3MHz, 200mV	0.024	4800	4100
MLPCH15-R47_-RC	.47	M,T	3MHz, 200mV	0.04	3100	3000
MLPCH15-1R0_-RC	1.0	M,T	3MHz, 200mV	0.05	1500	2900
MLPCH15-2R2_-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:** .24μh ~ 2.2μh

**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 ± 5°C

Immersion Time: 10 ± 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