

Inductors(coils)/Microchip Transformer > Chip Inductor (Chip Coil) > for DC -DC Converter Wire Wound Type

### PDF Download

Data Sheet contains Dimensions, Rated Value and Packaging.



How to check EU RoHS Compliance of Our Products is [here](#).

<a href="#">Product Lifecycle Stage</a>	in Production
<a href="#">Recommended Rank</a>	Preferred

### Specifications

Global Part Number	LQH44PN100MPOL
Previous Part Number	
Inductance	10 $\mu$ H
Tolerance	$\pm$ 20%
Test Frequency	1MHz
Max. of DC resistance	0.192ohm
Avg. of DC resistance	0.16ohm $\pm$ 20%
Q (min.)	
Test Frequency	
Self Resonance Frequency (min.)	25MHz
Size Code (in mm)	4040
Size Code (in inch)	1515
Length	4.0mm
Width	4.0mm
Thickness	1.65mm
Mass (Typ.)	0.10g
Class of Magnetic Shield	Magnetic shield of magnetic powder in resin
Operating Temperature Range	-40 to +85?
Allowable DC Current (Based on Temperature rise)	1170mA
Allowable DC Current (Based on Inductance change)	1150mA

### Details

- [Part Numbering](#)
- [Appearance](#)
- [Dimensions](#)
- [Features](#)
- [Inductance-Frequency Characteristics \(Typ.\)](#)
- [Inductance-Current Characteristics \(Typ.\)](#)
- [Caution? Notice](#)
- [Mounting](#)
- [Packaging](#)

### Minimum Quantity

180mm Paper Tape	
180mm Embossed Tape	1000
330mm Paper Tape	
330mm Embossed Tape	
Bulk Case	
Bulk(Bag)	
Ammo Pack	
320Reel	
Magazine	
Box	

Please approve our product specifications or to transact the approval sheet for product specifications before ordering.

Please read rating and !Cautions first.

Product specifications in this catalog are as of November 2009

Please make sure to read the Murata's [Product Policy](#) ,too.

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