

# CHIP POWER INDUCTORS

## CPI2520NHL Series

### ❖ Features

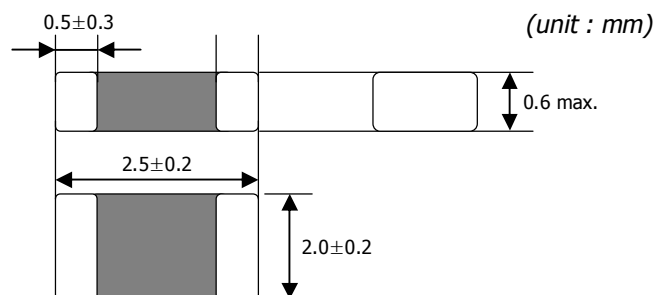
- Small size (2.5mm x 2.0 mm, 1.0 mm height)
- Large rated current ( $I_{dc\_1.6A}$  @ 1.0uH)
- Magnetically shielded
- High efficiency (Inductive Energy)
- Fast mounting speed
- RoHS compliant

### ❖ Applications

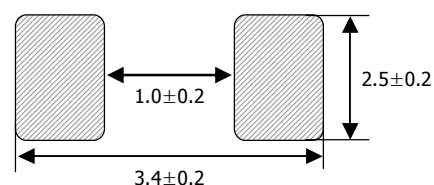
- DC-DC converter circuits for mobile equipment

### ❖ Characteristics

### ❖ Dimensions & Land pattern

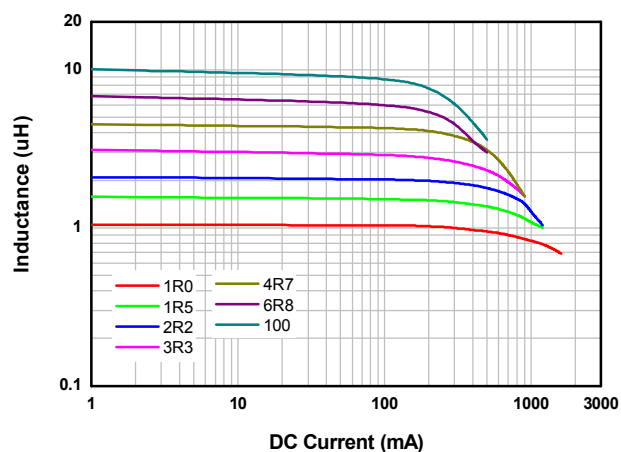


Recommend land pattern

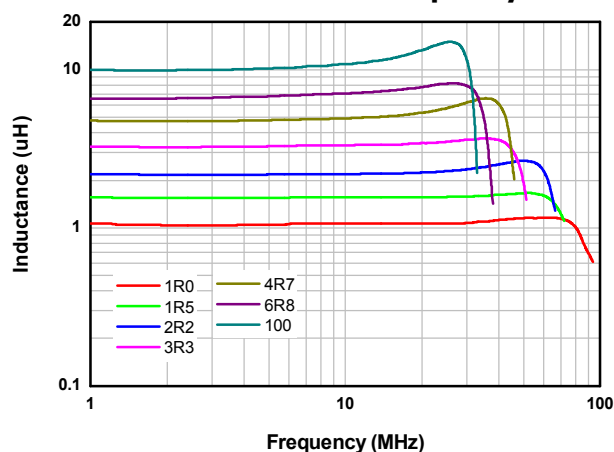


Part Number	Inductance at 1 MHz		DC Resistance		Rated Current (A) $\Delta T=40\text{deg.C}$
	( $\mu\text{H}$ )	Tolerance	( $\Omega$ )	Tolerance	
CPI2520NHL1R0ME	1.0	$\pm 20\%$	0.10	$\pm 30\%$	1.50
CPI2520NHL1R5ME	1.5		0.12		1.40
CPI2520NHL2R2ME	2.2		0.14		1.30
CPI2520NHL3R3ME	3.3		0.18		1.20
CPI2520NHL4R7ME	4.7		0.23		1.00
CPI2520NHL6R8ME	6.8		0.25		0.90
CPI2520NHL100ME	10		0.30		0.80

Inductance vs. DC Current



Inductance vs. Frequency



This description in the this catalogue is subject to change without notice