

CHIP POWER INDUCTORS

CPI2012NHL Series

❖ Features

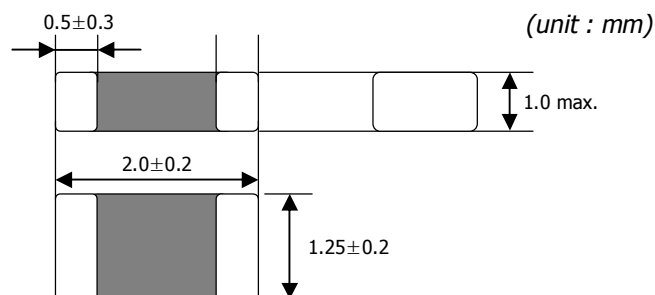
- Small size (2.0 mm x 1.25 mm, 1.0 mm height)
- Large rated current ($I_{dc_1.5A}$ @ 1.0uH)
- Magnetically shielded
- High efficiency (Inductive Energy)
- Fast mounting speed
- RoHS compliant

❖ Applications

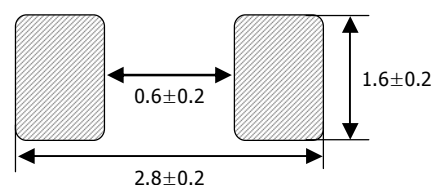
- DC-DC converter circuits for mobile equipment

❖ Characteristics

❖ Dimensions & Land pattern

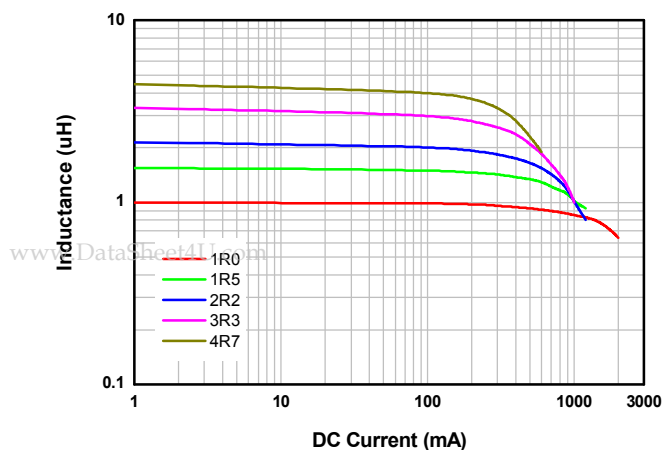


Recommend land pattern

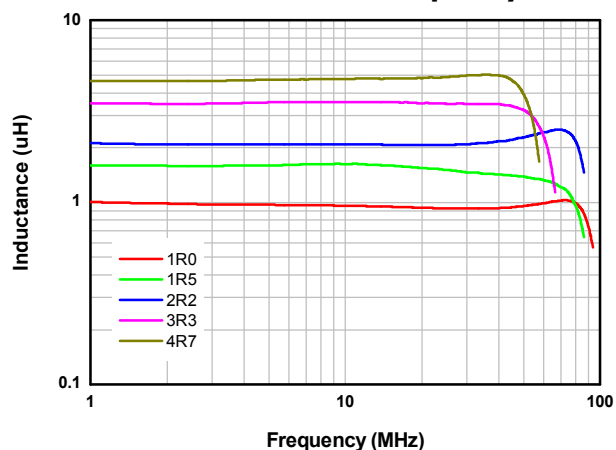


Part Number	Inductance at 1 MHz		DC Resistance		Rated Current (A) $\Delta T=40\text{deg.C}$
	(μH)	Tolerance	(Ω)	Tolerance	
CPI2012NHL1R0ME	1.0	$\pm 20\%$	0.18	$\pm 30\%$	1.00
CPI2012NHL1R5ME	1.5		0.20		
CPI2012NHL2R2ME	2.2		0.23		
CPI2012NHL3R3ME	3.3		0.23		
CPI2012NHL4R7ME	4.7		0.23		

Inductance vs. DC Current



Inductance vs. Frequency



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