

CHIP POWER INDUCTORS

CPI3225NHL Series

❖ Features

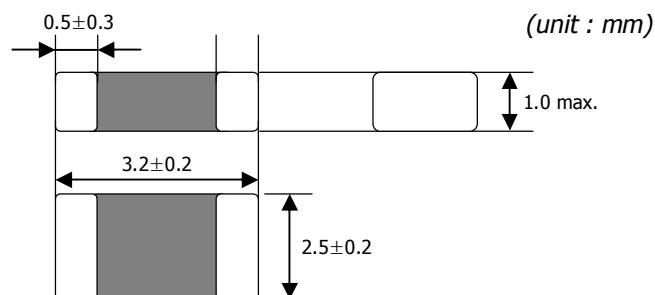
- Small size (3.2mm x 2.5 mm, 1.0 mm height)
- Large rated current (1.3A @ 1.0uH)
- Magnetically shielded
- High efficiency (Inductive Energy)
- Fast mounting speed
- RoHS compliant

❖ Applications

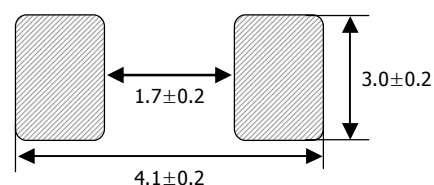
- DC-DC converter circuits for mobile equipment

❖ Characteristics

❖ Dimensions & Land pattern

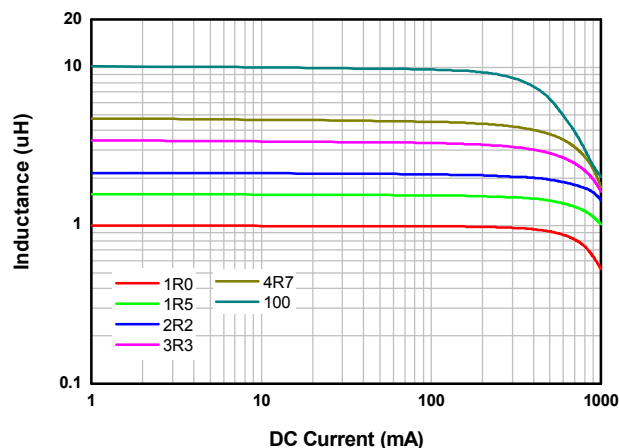


Recommend land pattern

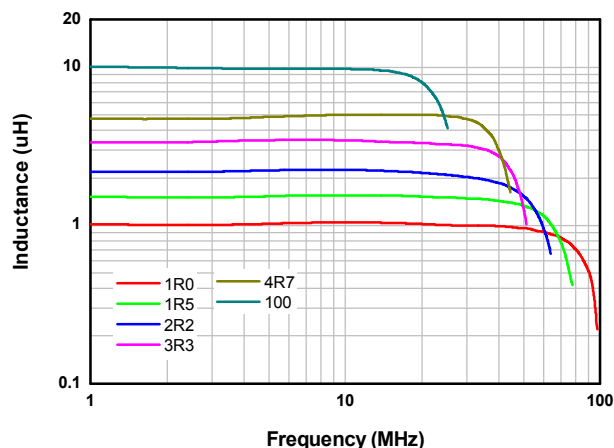


| Part Number | Inductance at 1 MHz | | DC Resistance | | Rated Current (A) $\Delta T=40\text{deg.C}$ |
|-----------------|---------------------|------------|---------------|------------|--|
| | (μH) | Tolerance | (Ω) | Tolerance | |
| CPI3225NHL1R0ME | 1.0 | $\pm 20\%$ | 0.10 | $\pm 30\%$ | 1.3 |
| CPI3225NHL1R5ME | 1.5 | | 0.12 | | 1.3 |
| CPI3225NHL2R2ME | 2.2 | | 0.15 | | 1.2 |
| CPI3225NHL3R3ME | 3.3 | | 0.17 | | 1.1 |
| CPI3225NHL4R7ME | 4.7 | | 0.20 | | 1.0 |
| CPI3225NHL100ME | 10 | | 0.35 | | 0.8 |

Inductance vs. DC Current



Inductance vs. Frequency



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