

New Product

SURFACE MOUNT SHIELDED POWER INDUCTOR SERIES LH3225

FEATURES

- RoHS compliant
- Low profile
- High power density
- Well suited for use in mobile devices, LCD panels and MP3 players

ELECTRICAL SPECIFICATIONS

- Inductance range 4.7uH to 22uH
- Test frequency 100kHz @ 0.1Vrms test level
- Test equipment Quadtech 1750 LCR Meter

PHYSICAL SPECIFICATIONS

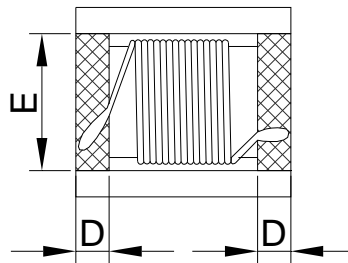
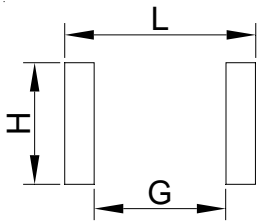
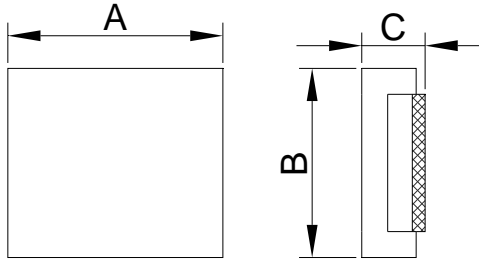
- Operating temp. -40°C to +105°C
- Core Ferrite
- Packaging T & R 2000 pieces per reel
- Tape & reel spec. Tape 8 mm embossed carrier
Reel 178 mm paper reel

SPECIFICATIONS

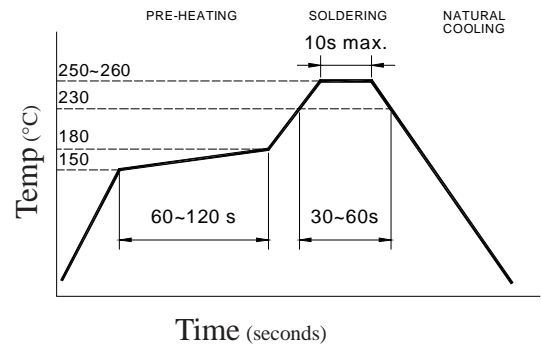
Part Number	L(uH)	Tol % ±	DCR (ohms) max	Rated Current (A) (Note 1)	Saturation Current (A) (Note 2)
LH3225-4R7M	4.7	20	0.288	0.82	0.70
LH3225-6R8M	6.8	20	0.312	0.68	0.61
LH3225-100M	10.0	20	0.444	0.52	0.49
LH3225-150M	15.0	20	0.72	0.46	0.35
LH3225-220M	22.0	20	1.20	0.35	0.29

Dimensions in millimeters

Length A	3.2 ± 0.2
Width B	2.5 ± 0.2
Height C	1.0 max
Terminal length D	0.4 ± 0.1
Terminal width E	2.5 ± 0.2



Suggested Reflow Profile



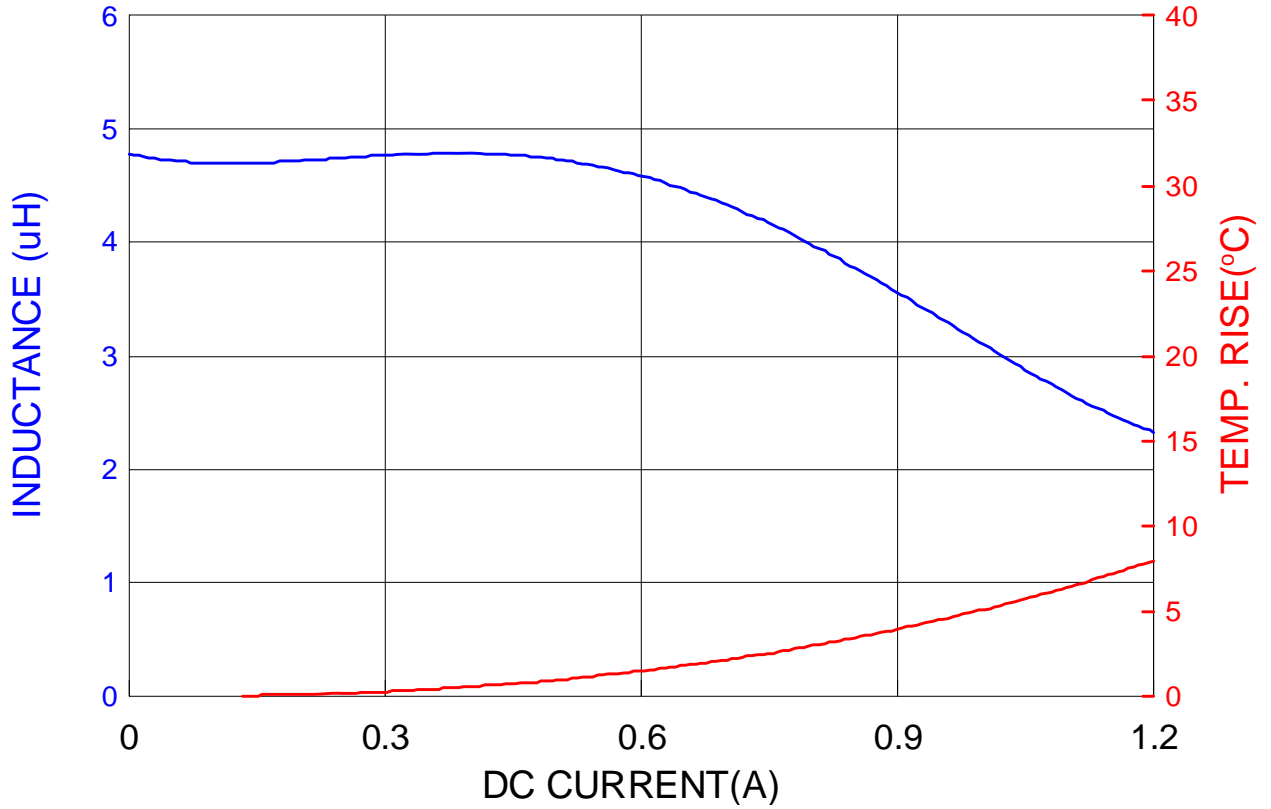
Suggested Land Pattern

G = 2.0 mm
H = 3.0 mm
L = 3.4 mm

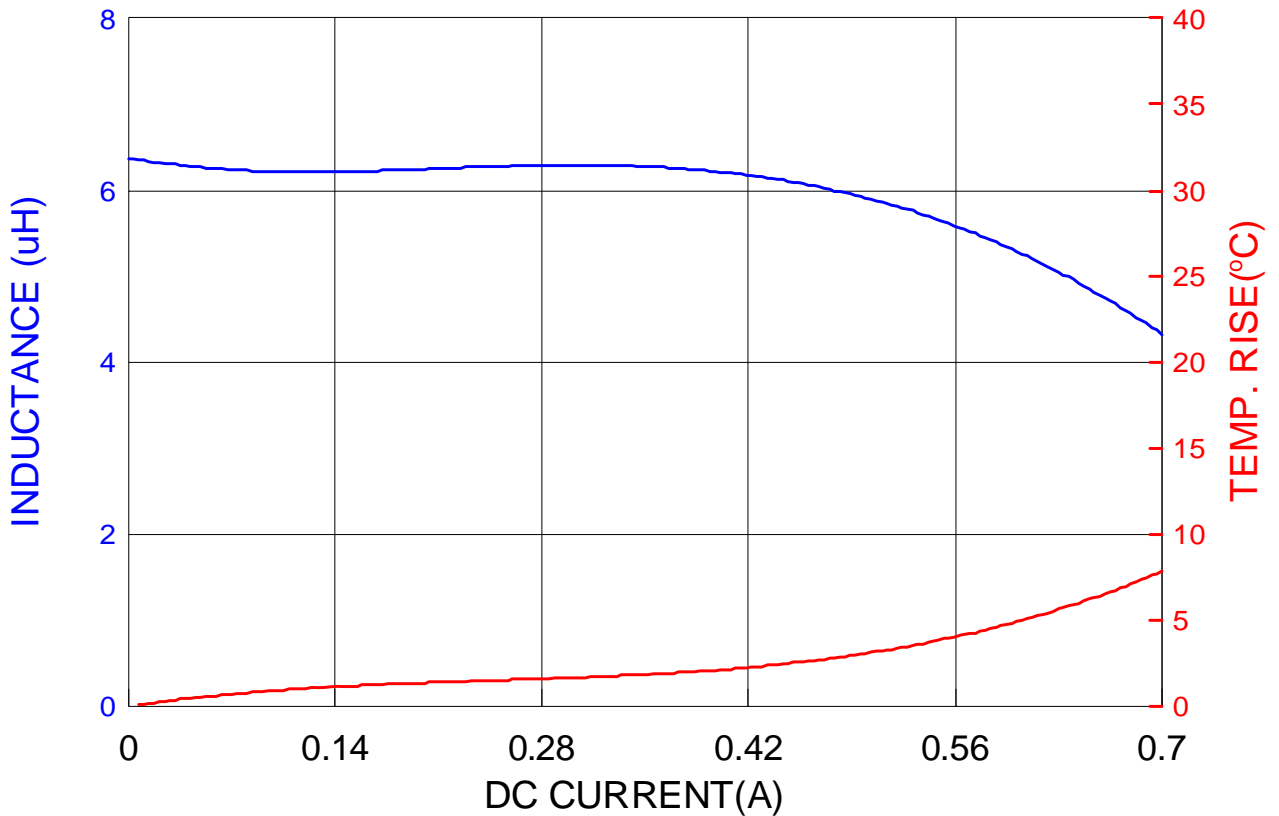
1. Based on ΔT of approximately 40°C.
2. Based on initial L drops 30% typical.

All test data based on 25°C ambient. Part temperature (ambient+temp rise) not to exceed 105°C under worst case operating conditions. Circuit design, components, PCB trace size and thickness, airflow and other cooling provisions all effect the part temperature. Verify part temperature in end application.

LH3225-4R7M



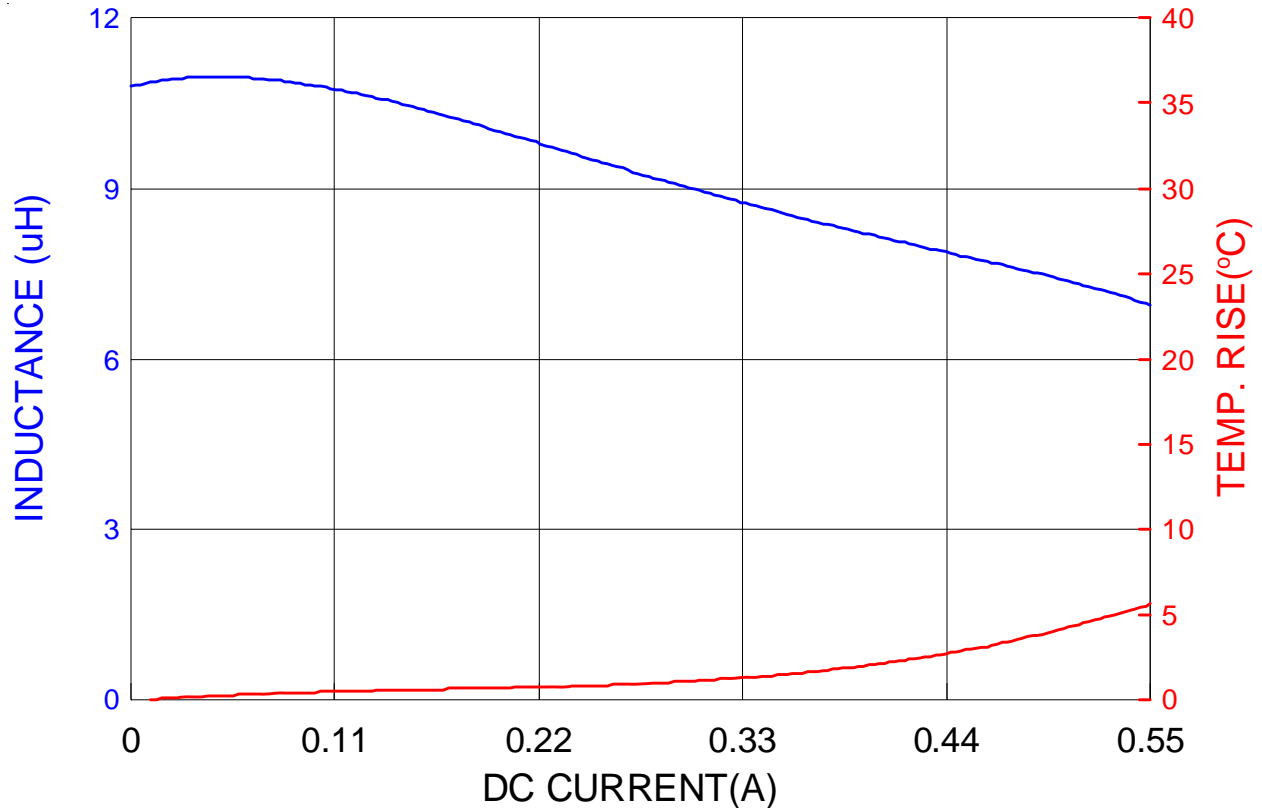
LH3225-6R8M



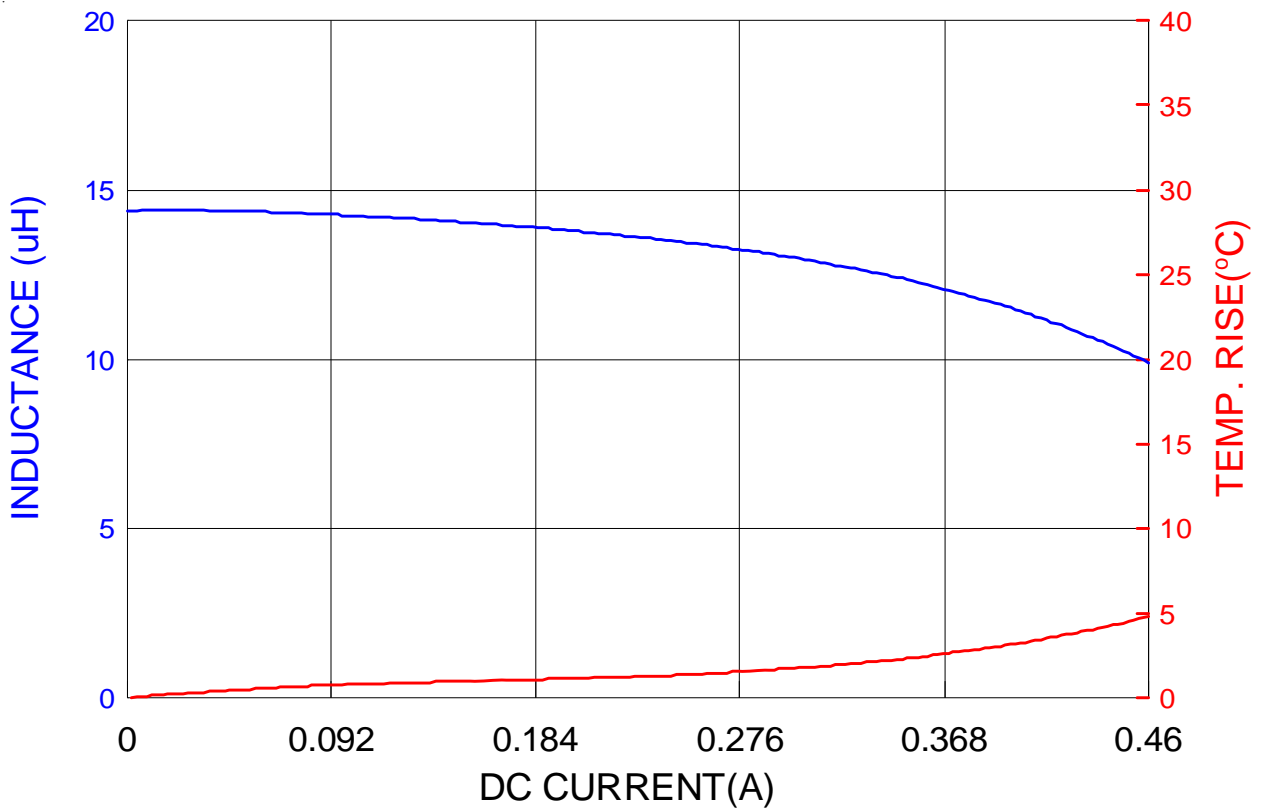
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LH3225-100M



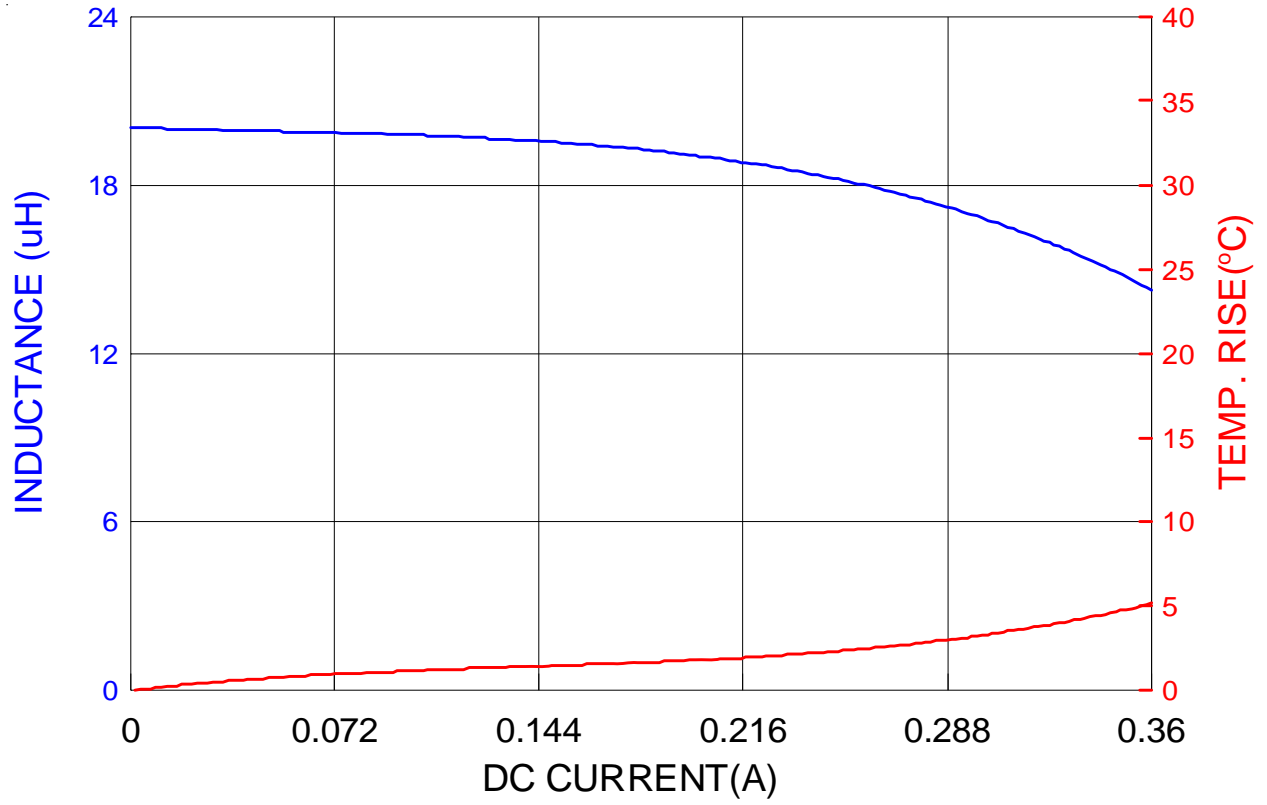
LH3225-150M



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LH3225-220M



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