

New Product

SURFACE MOUNT SHIELDED POWER INDUCTOR SERIES LH3215

FEATURES

- RoHS compliant
- Square footprint
- Low profile
- Well suited for use in mobile devices, LCD panels and MP3 players

ELECTRICAL SPECIFICATIONS

- Inductance range 1.0uH to 22uH
- Test frequency 100kHz @ 0.1Vrms test level
- Test equipment Quadtech 1750 LCR Meter

PHYSICAL SPECIFICATIONS

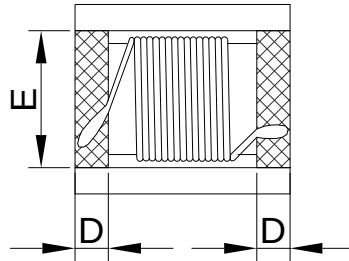
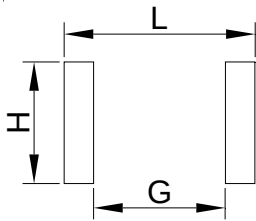
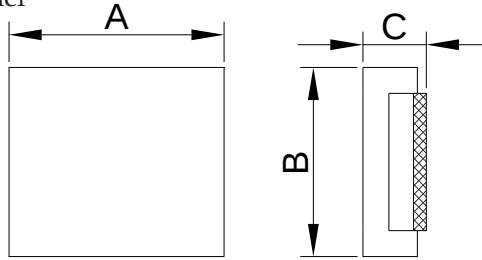
- Operating temp. -40°C to +105°C
- Core Ferrite
- Packaging T & R 2000 pieces per reel
- Tape & reel spec. Tape 8 mm embossed carrier
- Reel 178 mm paper reel

SPECIFICATIONS

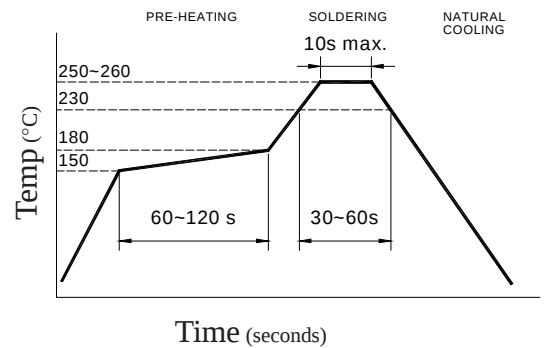
Part Number	Lo (uH)	Tol % $\pm$	DCR (ohms) max	Rated Current (A) (Note 1)	Saturation Current (A) (Note 2)
LH3215-1R0Y	1.0	30	0.042	3.00	2.50
LH3215-2R2M	2.2	20	0.072	2.35	1.80
LH3215-3R3M	3.3	20	0.096	1.80	1.40
LH3215-4R7M	4.7	20	0.144	1.30	1.02
LH3215-6R8M	6.8	20	0.192	1.20	0.90
LH3215-100M	10.0	20	0.276	1.00	0.70
LH3215-150M	15.0	20	0.432	0.90	0.56
LH3215-220M	22.0	20	0.624	0.70	0.47

Dimensions in millimeters

Length A	3.2 ± 0.2
Width B	3.0 ± 0.2
Height C	1.5 max
Terminal length D	0.4 ± 0.1
Terminal width E	2.2 ± 0.1



Suggested Reflow Profile

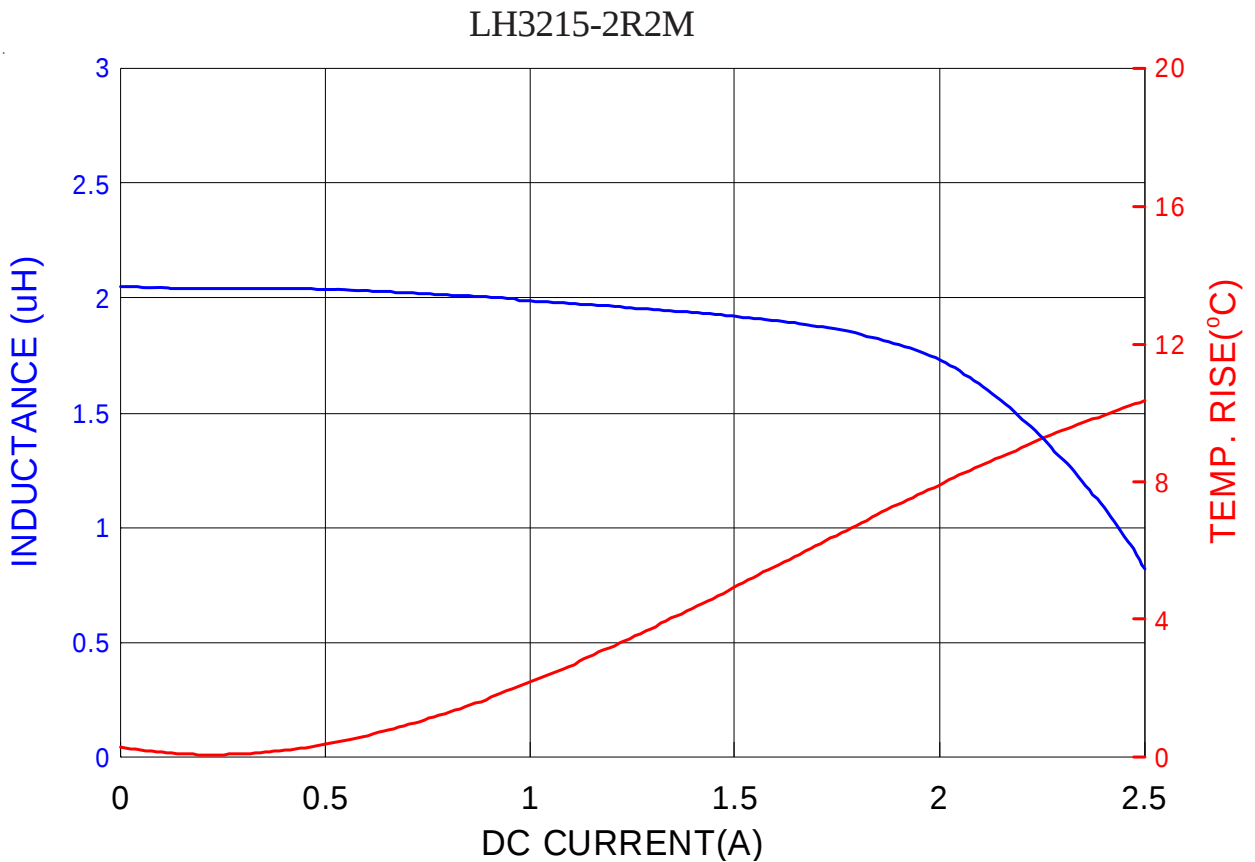
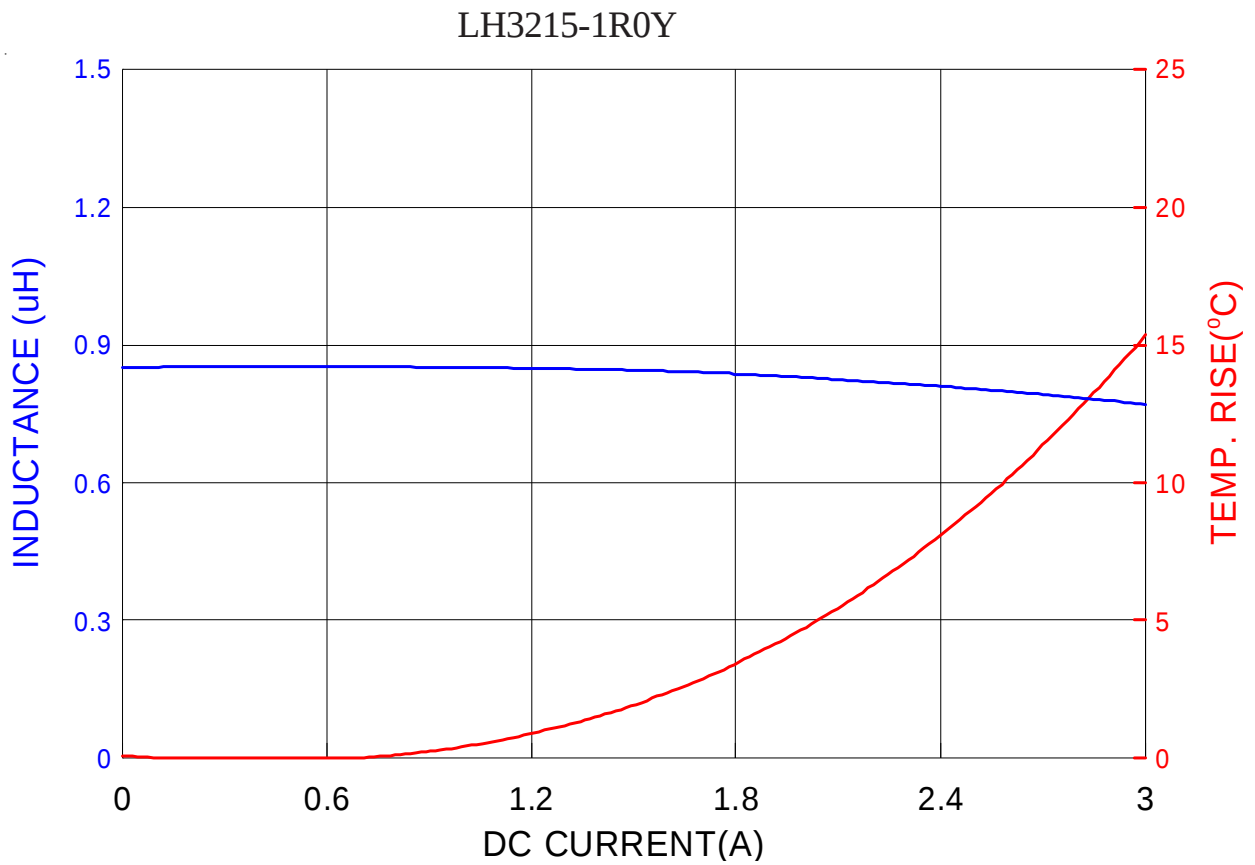


Suggested Land Pattern

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.

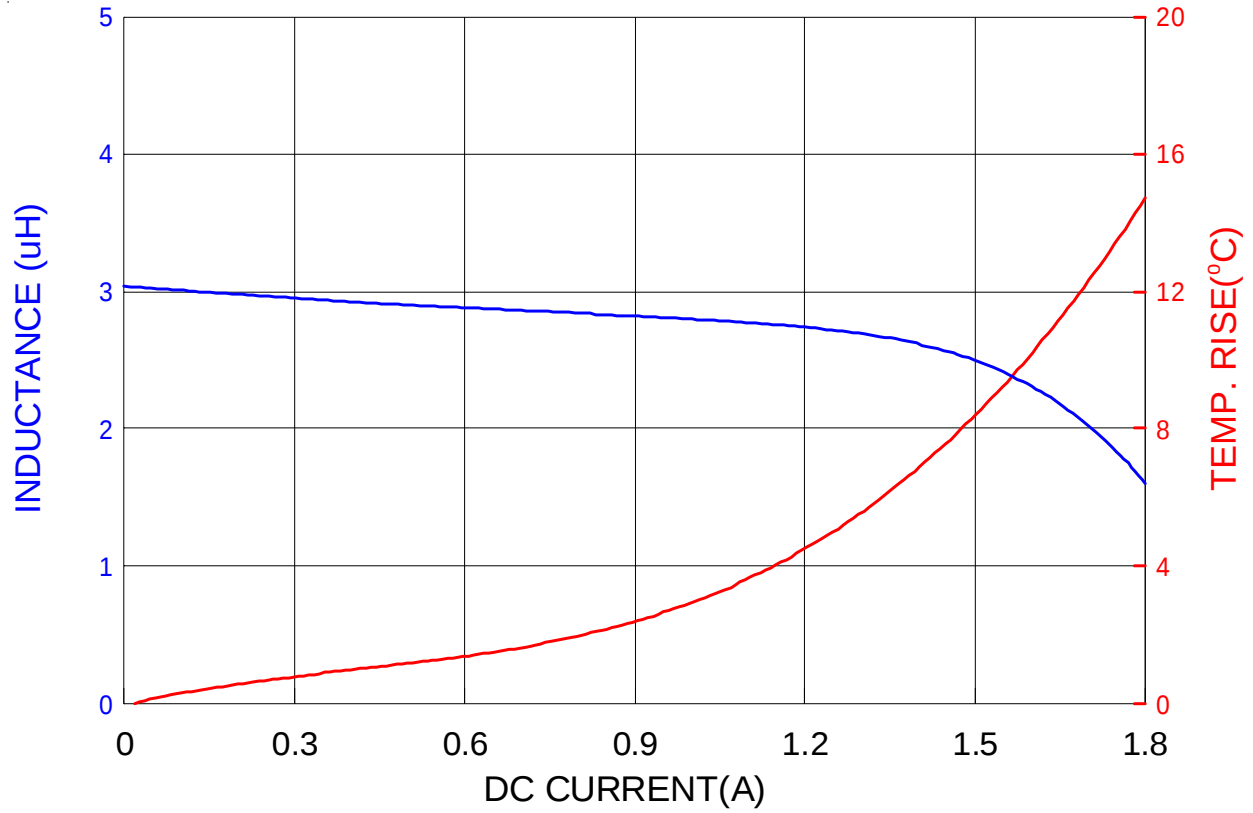
All test data based on 25°C ambient. Part temperature (ambient+temp rise) not to exceed 105°C under worst case operating conditions. Circuit design, components, PCB trace size and thickness, airflow and other cooling provisions all effect the part temperature. Verify part temperature in end application.



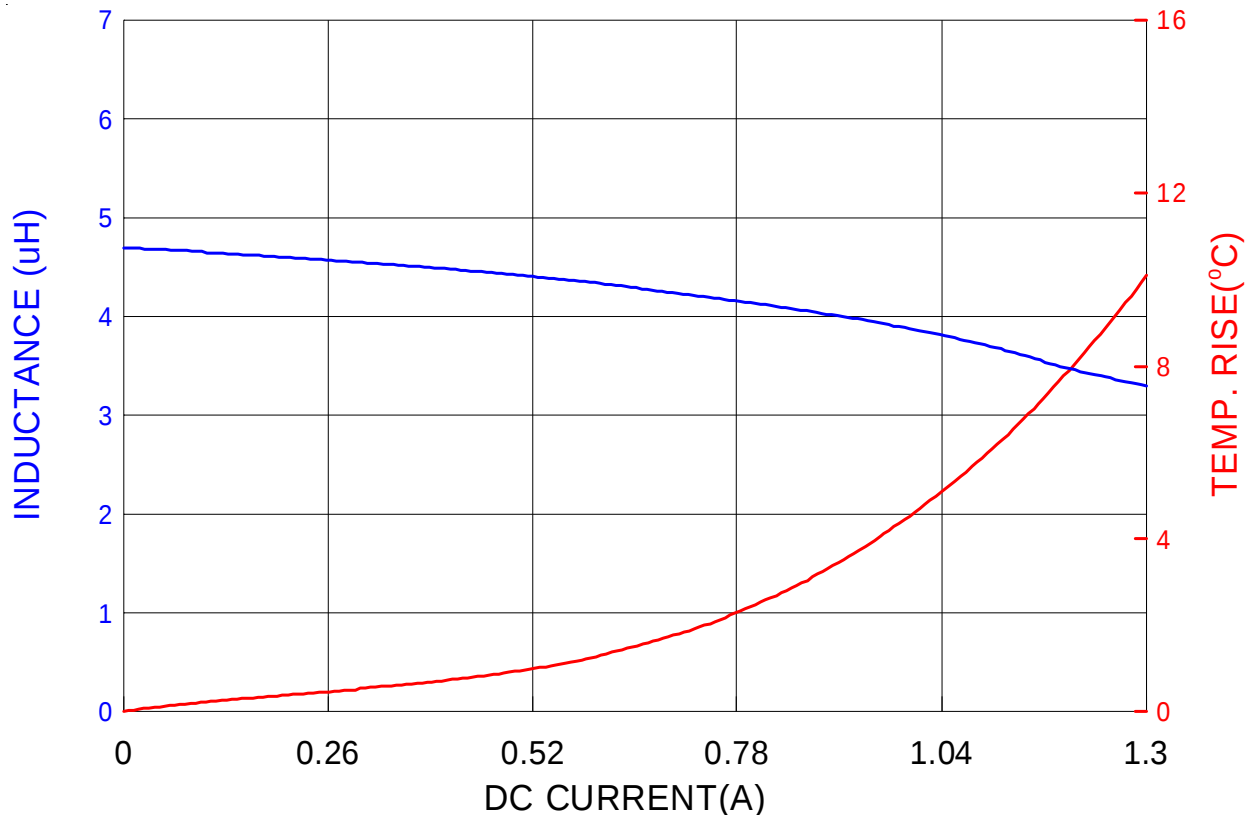
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LH3215-3R3M



LH3215-4R7M



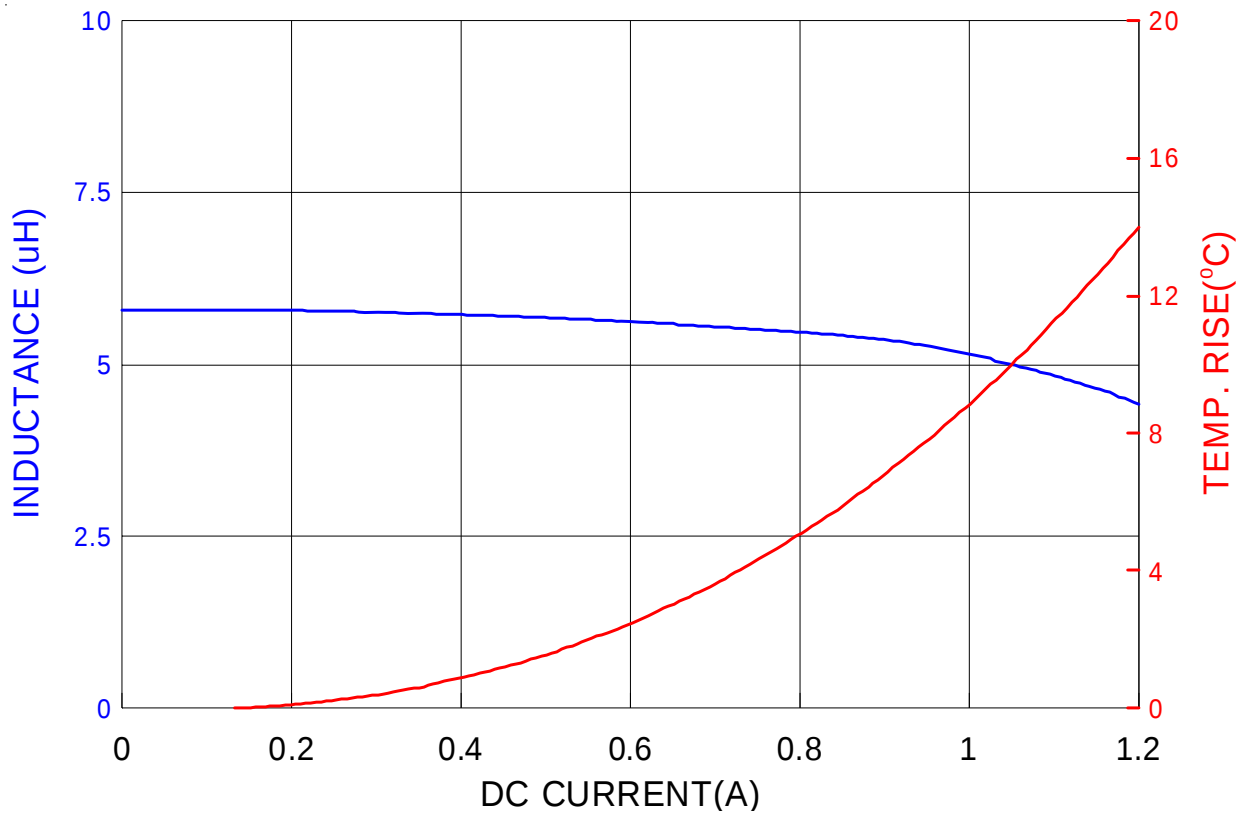
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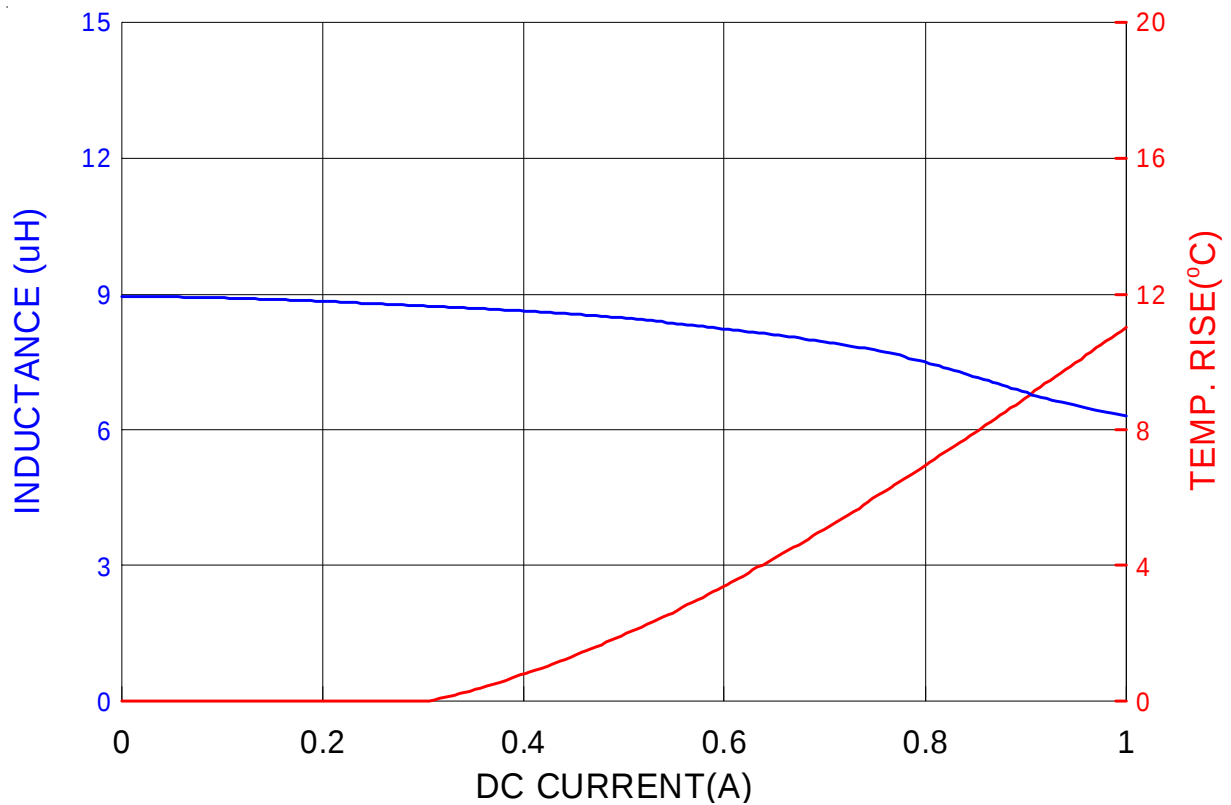
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LH3215-6R8M



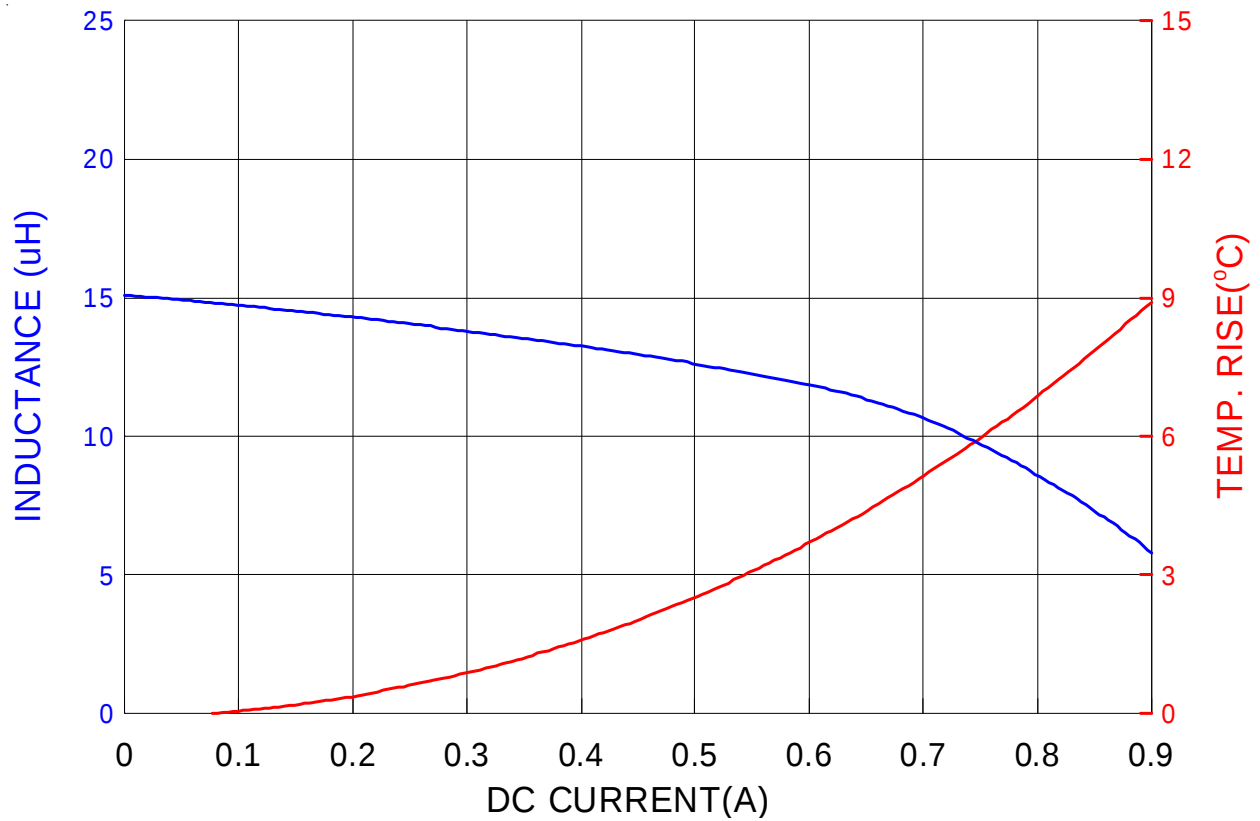
LH3215-100M



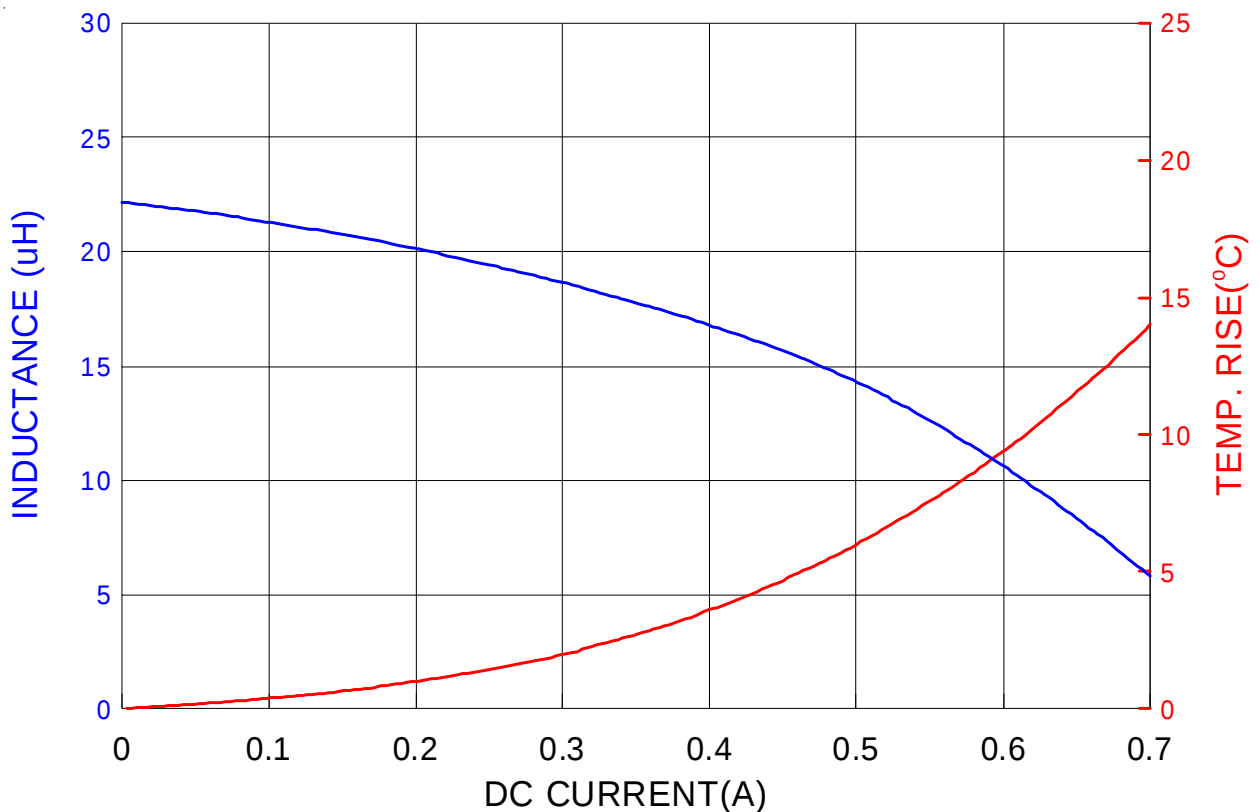
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LH3215-150M



LH3215-220M



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