

New Product

**SURFACE MOUNT
SHIELDED POWER INDUCTOR
SERIES LH4218**

FEATURES

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

SPECIFICATIONS

Part Number	L(uH)	Tol % ±	DCR (ohms) max	Rated Current (A) (Note 1)	Saturation Current (A) (Note 2)
LH4218-1R0Y	1.0	30	0.036	3.50	4.00
LH4218-2R2M	2.2	20	0.072	2.70	2.70
LH4218-3R3M	3.3	20	0.084	2.00	2.00
LH4218-4R7M	4.7	20	0.108	1.80	1.70
LH4218-6R8M	6.8	20	0.132	1.45	1.45
LH4218-100M	10.0	20	0.216	1.20	1.20
LH4218-150M	15.0	20	0.300	0.94	0.94
LH4218-220M	22.0	20	0.432	0.80	0.80

ELECTRICAL SPECIFICATIONS

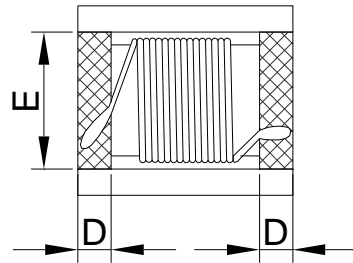
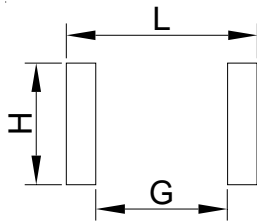
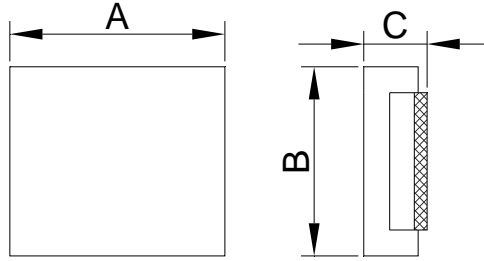
- Inductance range 1.0uH to 22uH
- Test frequency 100kHz @ 0.1Vrms test level
- Test equipment Quadtech 1750 LCR Meter

PHYSICAL SPECIFICATIONS

- Operating temp. -40°C to +105°C
- Core Ferrite
- Packaging T & R 800 pieces per reel
- Tape & reel spec. Tape 8 mm embossed carrier
- Reel 178 mm paper reel

Dimensions in millimeters

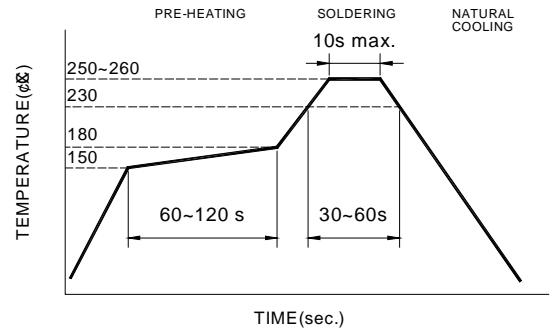
- Length A 4.2 ± 0.2
- Width B 4.0 ± 0.2
- Height C 1.8 max
- Terminal length D 0.6 ± 0.1
- Terminal width E 3.2 ± 0.1



Suggested Land Pattern

- G = 2.8 mm
- H = 4.0 mm
- L = 4.4 mm

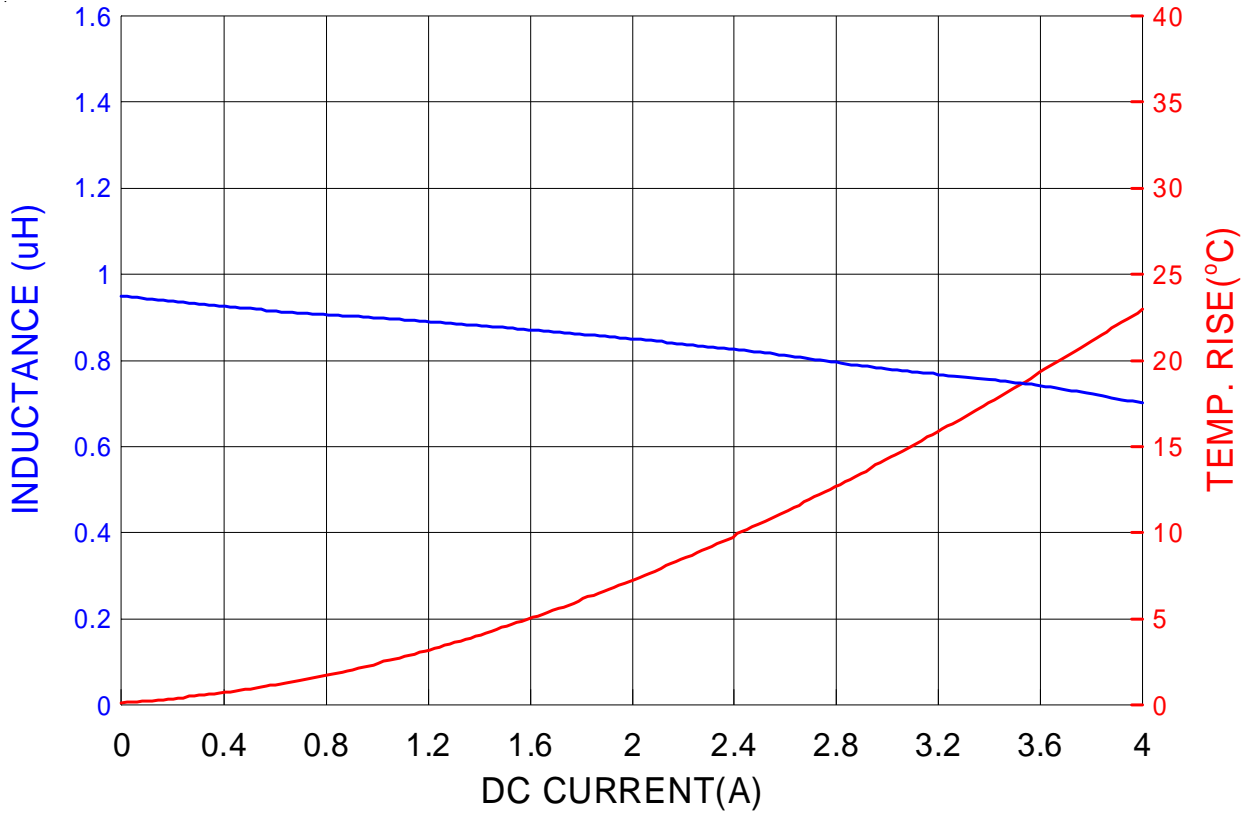
Suggested Reflow Profile



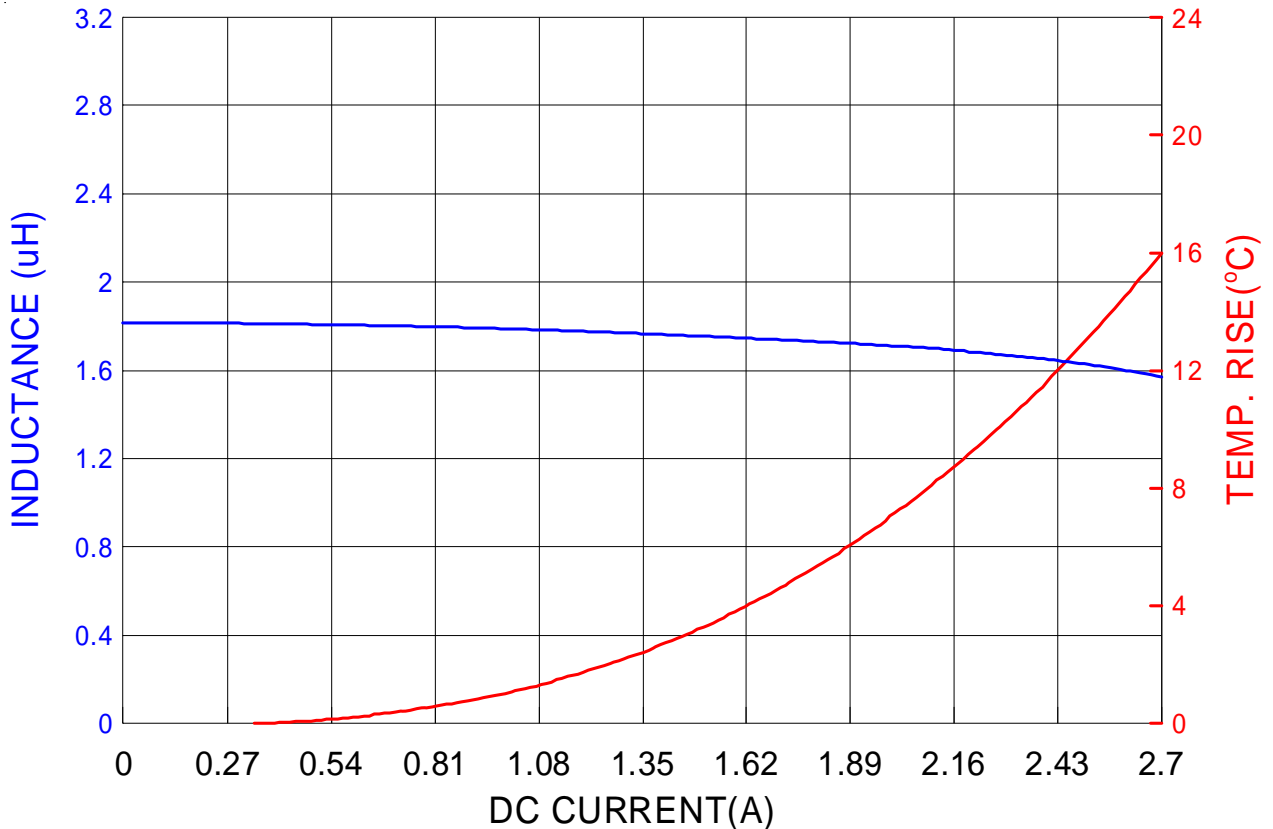
1. Based on ΔT of approximately 40°C
2. Based on initial L drops 30% typical.

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.

LH4218-1R0Y



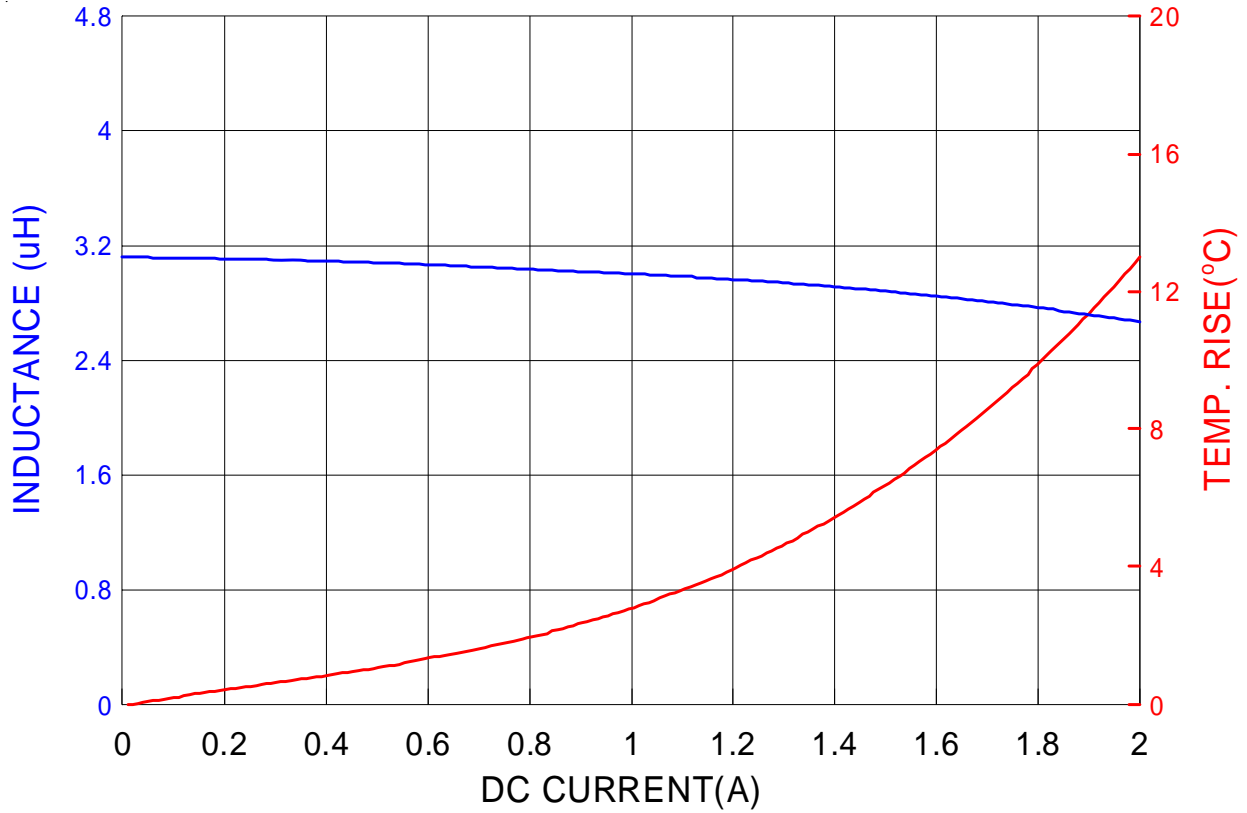
LH4218-2R2M



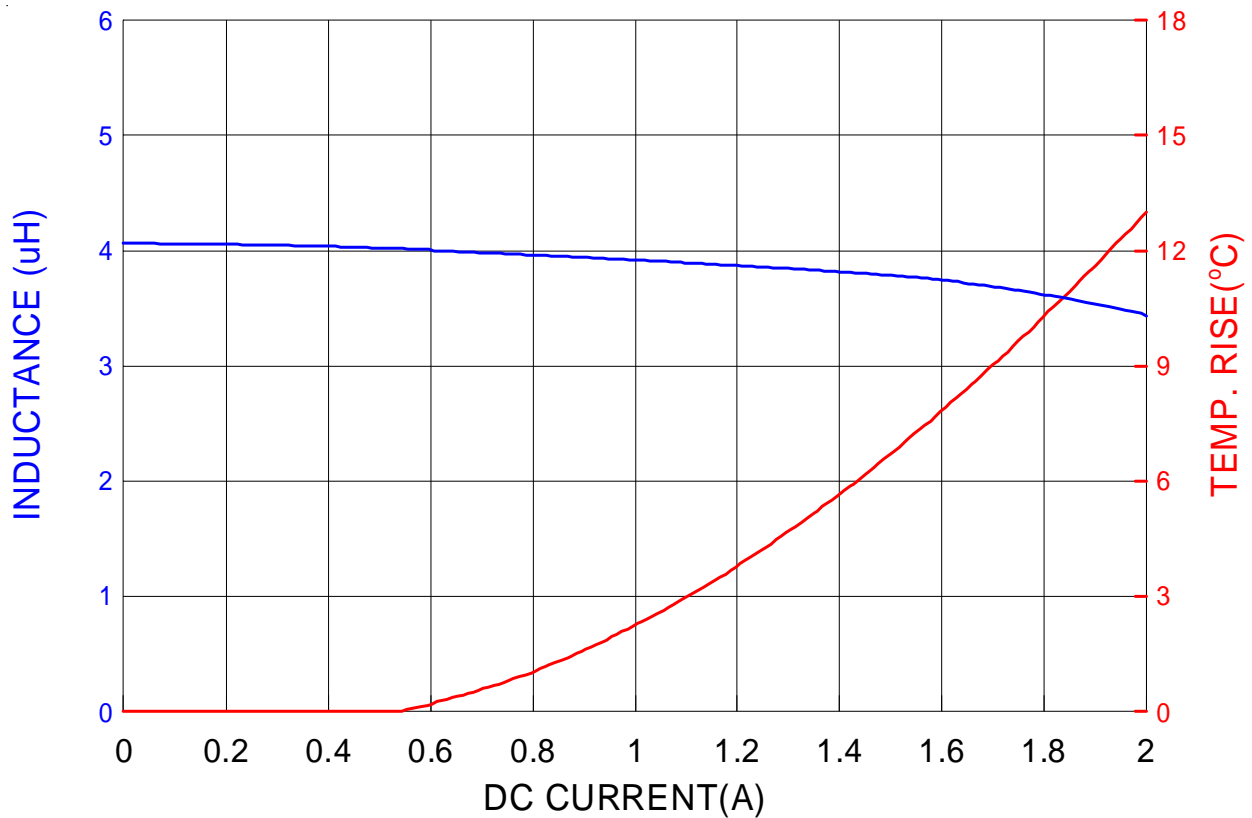
CONFIDENTIAL AND PROPRIETARY INFORMATION
 © 2007 Associated Components Technology, Inc. (Unpublished)
 All Rights Reserved

This document contains confidential and proprietary information of Associated Components Technology, Inc. and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Associated Components Technology, Inc is strictly forbidden. Date of Disclosure is Jan 15, 2007.

LH4218-3R3M



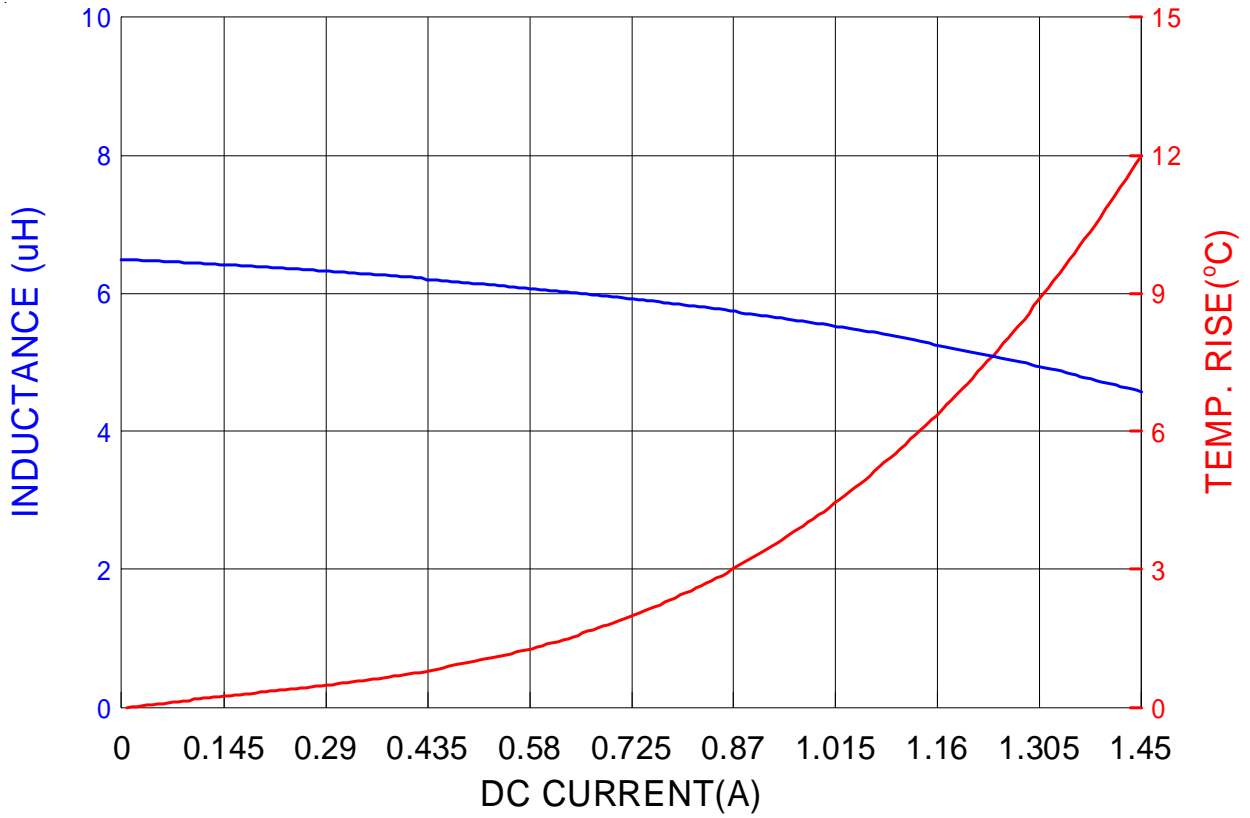
LH4218-4R7M



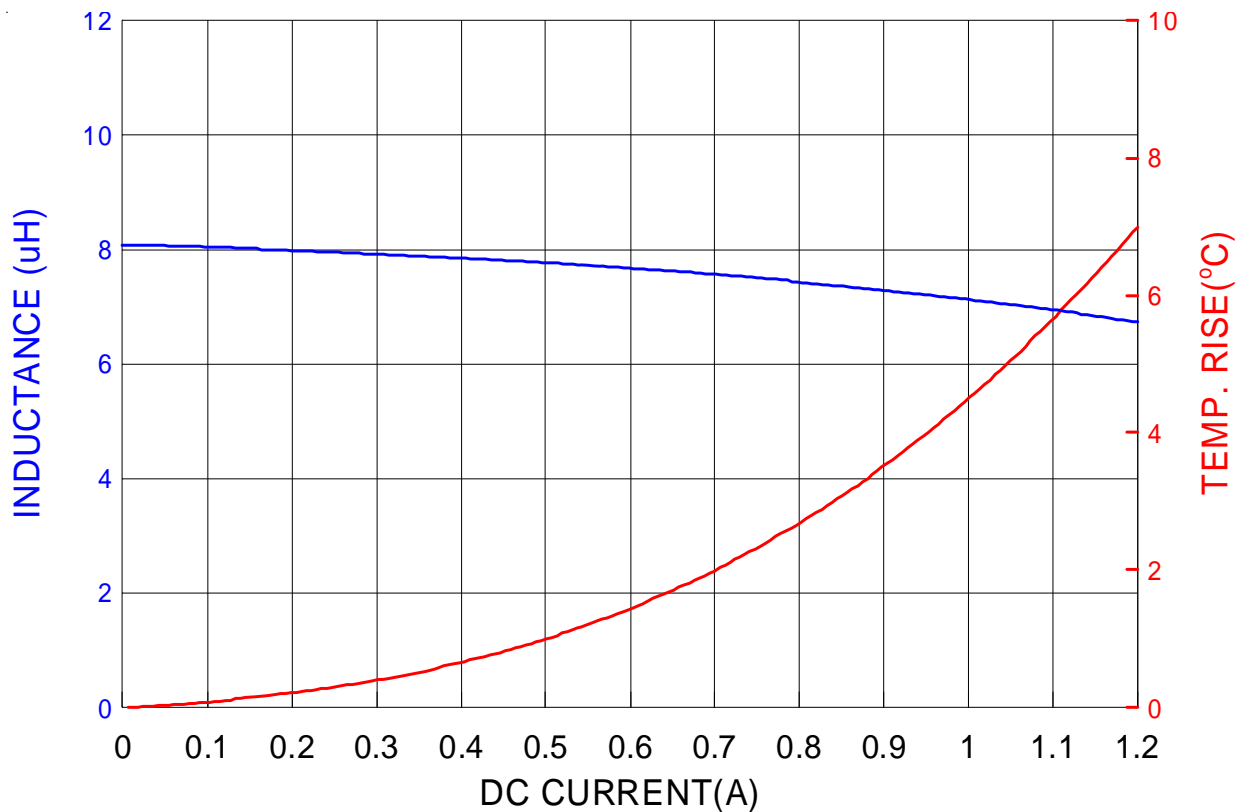
CONFIDENTIAL AND PROPRIETARY INFORMATION
© 2007 Associated Components Technology, Inc. (Unpublished)
All Rights Reserved

This document contains confidential and proprietary information of Associated Components Technology, Inc. and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Associated Components Technology, Inc is strictly forbidden. Date of Disclosure is Jan 15, 2007.

LH4218-6R8M



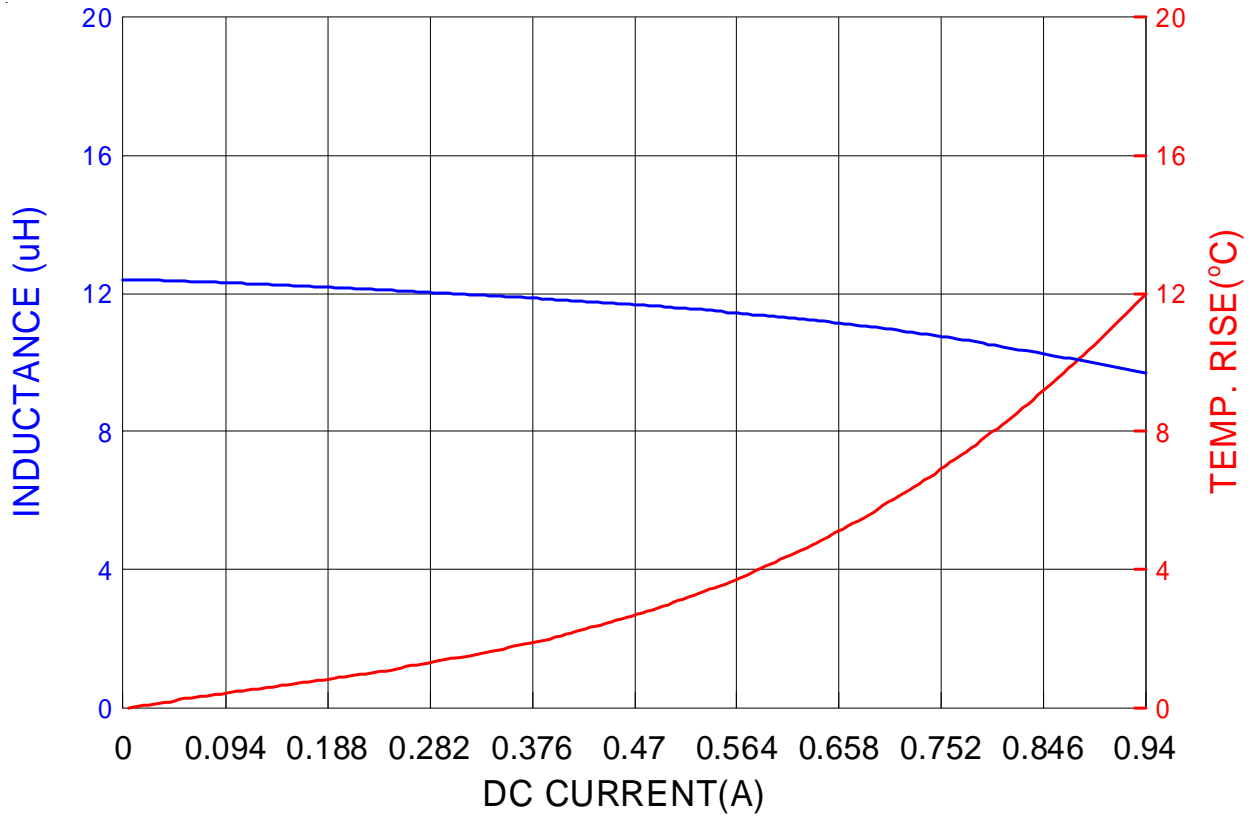
LH4218-100M



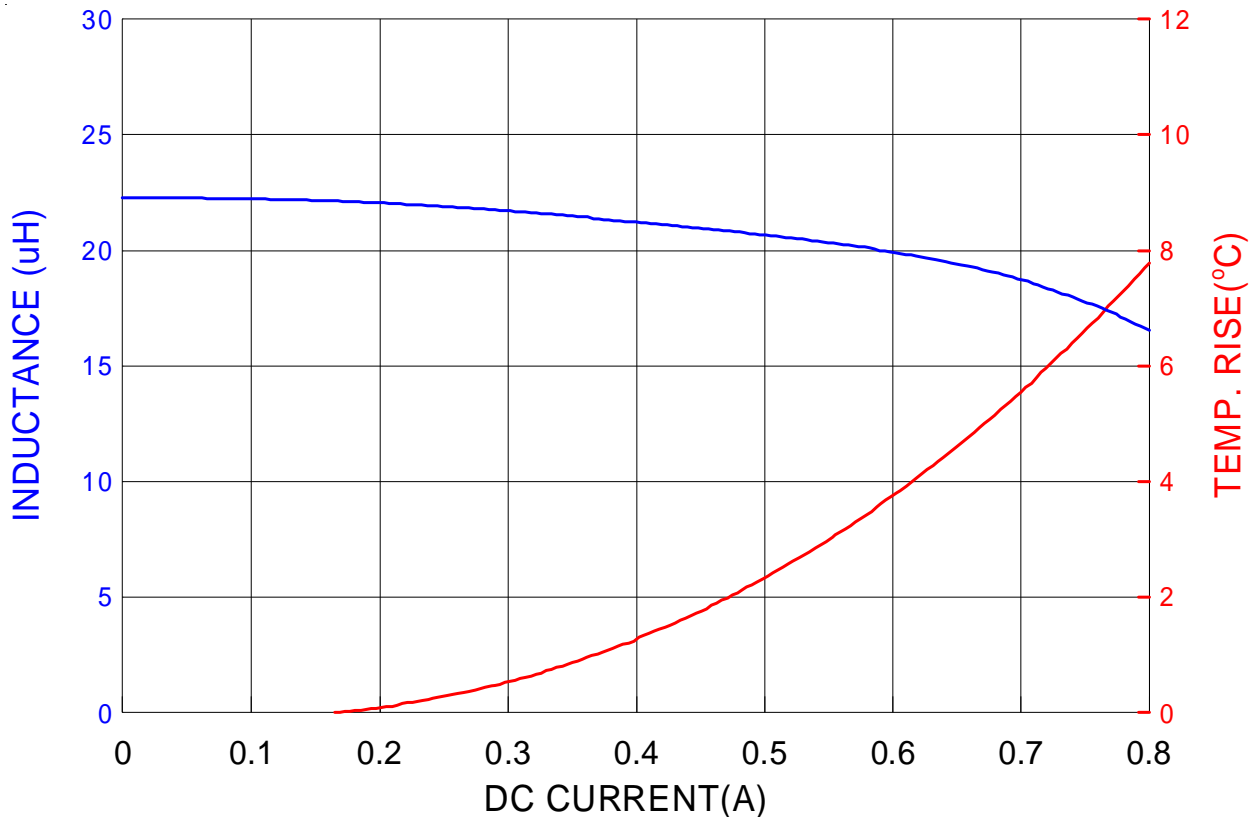
CONFIDENTIAL AND PROPRIETARY INFORMATION
 © 2007 Associated Components Technology, Inc. (Unpublished)
 All Rights Reserved

This document contains confidential and proprietary information of Associated Components Technology, Inc. and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Associated Components Technology, Inc is strictly forbidden. Date of Disclosure is Jan 15, 2007.

LH4218-150M



LH4218-220M



CONFIDENTIAL AND PROPRIETARY INFORMATION
© 2007 Associated Components Technology, Inc. (Unpublished)
All Rights Reserved

This document contains confidential and proprietary information of Associated Components Technology, Inc. and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Associated Components Technology, Inc is strictly forbidden. Date of Disclosure is Jan 15, 2007.