

Rev	Description	By	Date
A	Released for Production	KLC	6-Jul-16

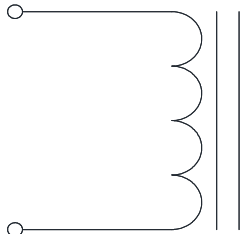
ELECTRICAL SPECIFICATIONS @ 25°C

L: 6.8 μ H \pm 10% @ 500kHz, 0.1Vrms
 Isat: Δ L \leq 10% @ 44 A
 Δ L \leq 20% @ 48 A
 Δ L \leq 30% @ 50 A

Irms: Δ T \leq 20°C @ 20 A
 Δ T \leq 40°C @ 28 A

DCR (MAX): 2.6 m Ω Max
 DCR (NOMINAL): 2.3 m Ω Nom
 SRF (TYP) 22 MHz
 Capacitance (TYP) 7.7 pF
 Hipot: 500 Vdc, 1 mA, 5 sec, wdg to core
 Insulation Class: Class H 180 °C
 RoHS Compliant: Yes

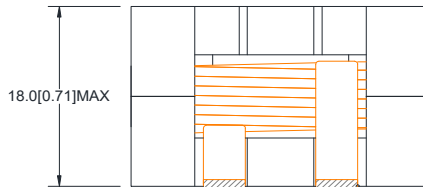
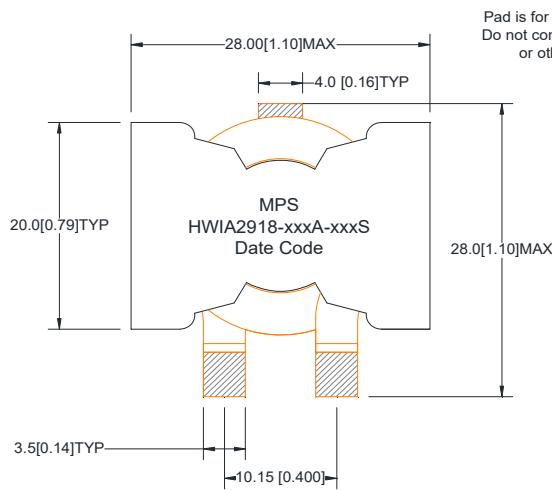
SCHEMATIC



MARKING

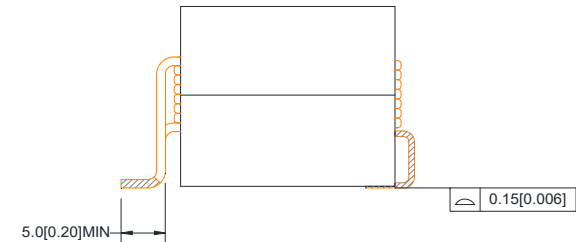
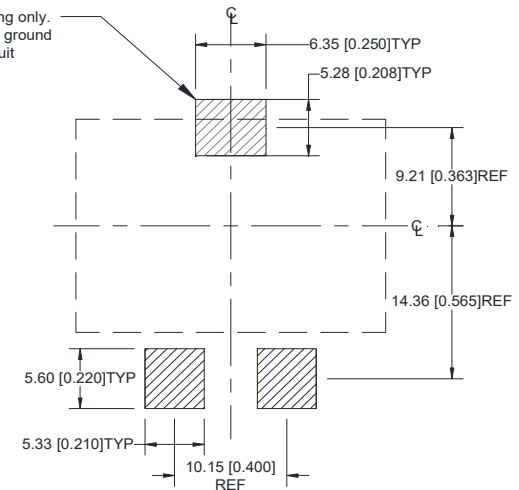
MPS
 HWIA2918-028A-6R8S
 Date Code

Dimensions: mm[inch]



Pad is for mounting only.
 Do not connect to ground
 or other circuit

Recommended PCB Layout



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MPS INDUSTRIES, INC.

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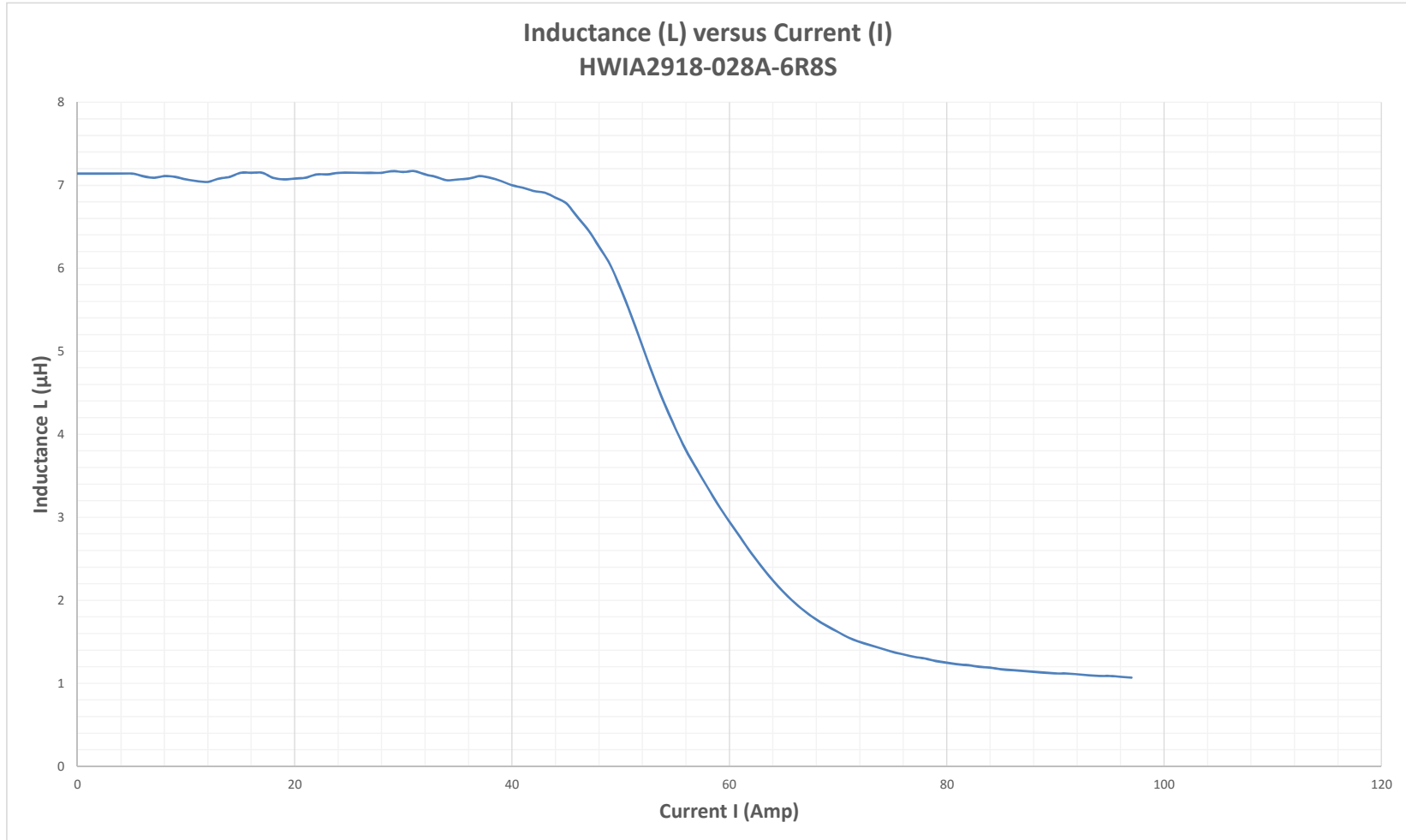
Description

Helical Wound Inductor

Dimensions Unless otherwise specified .XX \pm 0.51[0.020"] .XXX \pm 0.254[0.010"]	DRAWN BY: CHECKED BY:	KLC AG	30-Jun-16 6-Jul-16	SIZE A	Part Number HWIA2918-028A-6R8S	REV A
	WEIGHT: 38 gms					SHEET: 1 OF 2

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DC Bias Curve



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Part Number	HWIA2918-028A-6R8S	REV	A
SHEET: 2 OF 2			