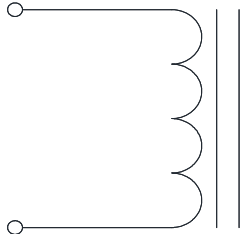


Rev	Description	By	Date
A	Released for Production	KLC	6-Jul-16

ELECTRICAL SPECIFICATIONS @ 25°C

L:	3.3 μ H \pm 10% @ 500kHz, 0.1Vrms
Isat:	Δ L \leq 10% @ 95 A
	Δ L \leq 20% @ > 102 A
	Δ L \leq 30% @ > 102 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)	33.5 MHz
Capacitance (TYP)	6.8 pF
Hipot:	500 Vdc, 1 mA, 5 sec, wdg to core
Insulation Class:	Class H 180 °C
RoHS Compliant:	Yes

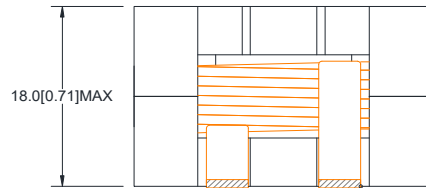
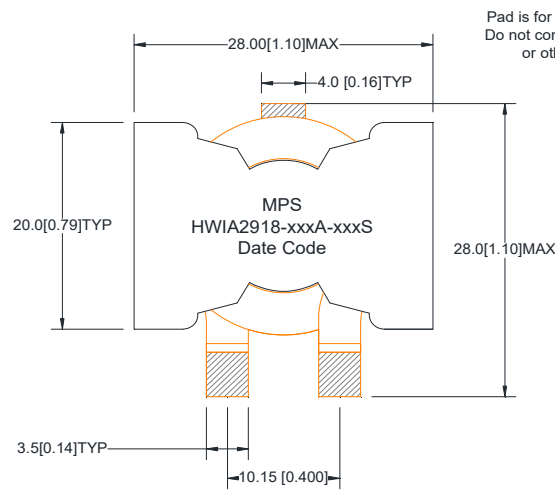
SCHEMATIC



MARKING

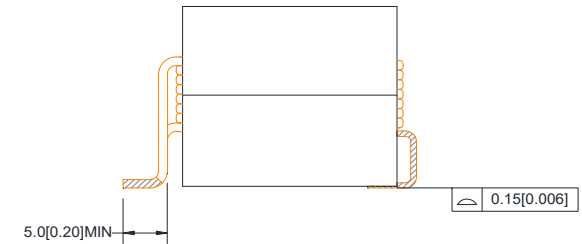
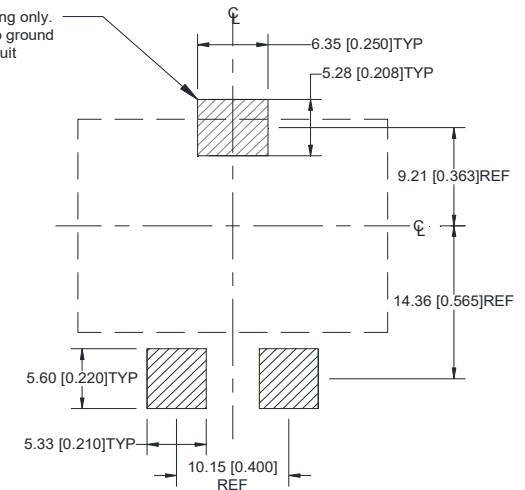
MPS
HWIA2918-028A-3R3S
Date Code

Dimensions: mm[inch]



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

Recommended PCB Layout



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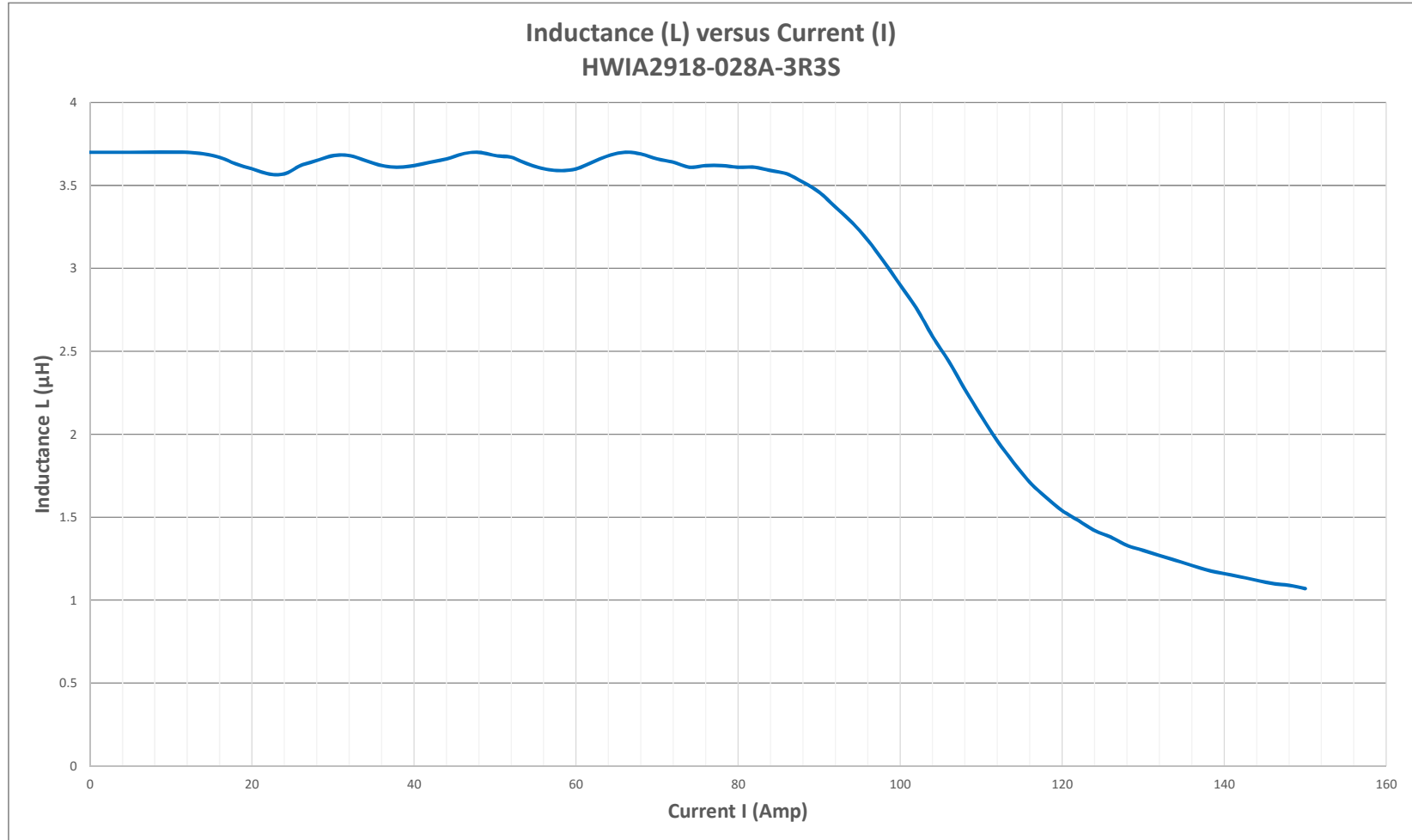
Description

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-3R3S	REV A
	WEIGHT: 38 gms					SHEET: 1 OF 2

Rev	Description	By	Date
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DC Bias Curve



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Dimensions Unless otherwise specified .XX ± 0.51[0.020"] .XXX ± 0.254[0.010"]	DRAWN BY: CHECKED BY:	KLC AG	30-Jun-16 6-Jul-16	SIZE A
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Description		Helical Wound Inductor	
Part Number	HWIA2918-028A-3R3S	REV	A
SHEET: 2 OF 2			