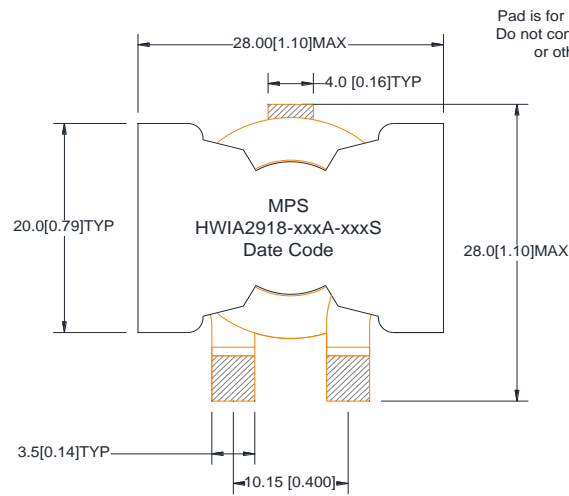


Rev	Description	By	Date
A	Released for Production	KLC	6-Jul-16
B	Corrected DC bias graph and Isat	AG	7-Sep-17

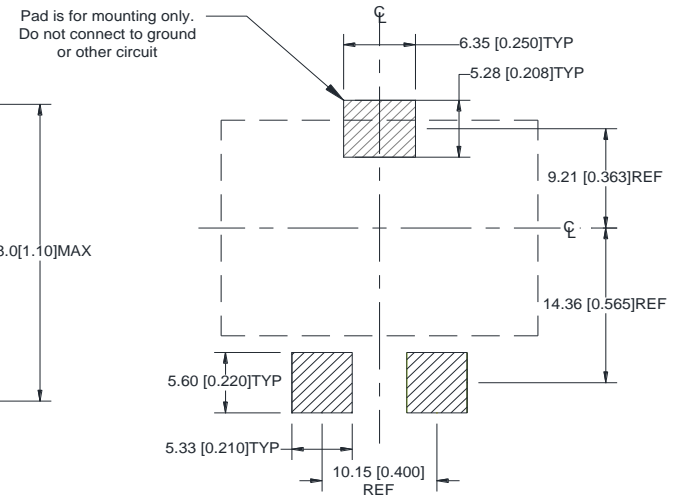
ELECTRICAL SPECIFICATIONS @ 25°C

L:	10.0 $\mu\text{H} \pm 10\%$ @ 500kHz, 0.1Vrms
Isat:	$\Delta L \leq 10\%$ @ 30 A $\Delta L \leq 20\%$ @ 32 A $\Delta L \leq 30\%$ @ 33 A
Irms:	$\Delta T \leq 20^\circ\text{C}$ @ 20 A $\Delta T \leq 40^\circ\text{C}$ @ 28 A
DCR (MAX):	2.6 m Ω Max
DCR (NOMINAL):	2.3 m Ω Nom
SRF (TYP)	15.8 MHz
Capacitance (TYP)	10.1 pF
Hipot:	500 Vdc, 1 mA, 5 sec, wdg to core
Insulation Class:	Class H 180 °C
RoHS Compliant:	Yes

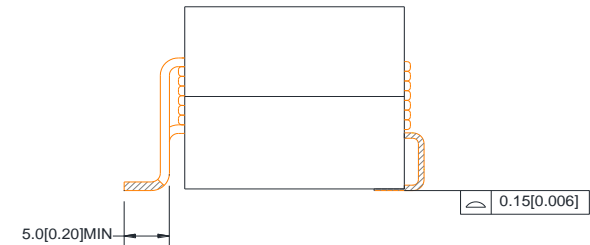
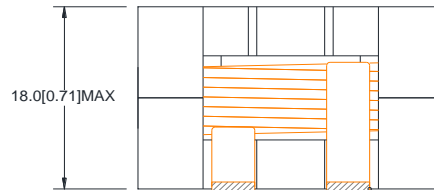
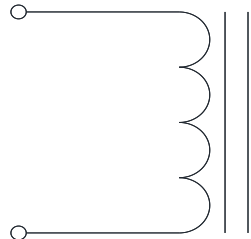
Dimensions: mm[inch]



Recommended PCB Layout



SCHEMATIC



MARKING

MPS
HWIA2918-028A-100S
Date Code

Notice of Proprietary Property

These drawings and specifications are the property of MPS and shall not be reproduced, copied or used as the basis of manufacture of sale of apparatus without express written authorization

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-100S	WEIGHT: 38 gms SHEET: 1 OF 2	REV B
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MPS INDUSTRIES, INC.

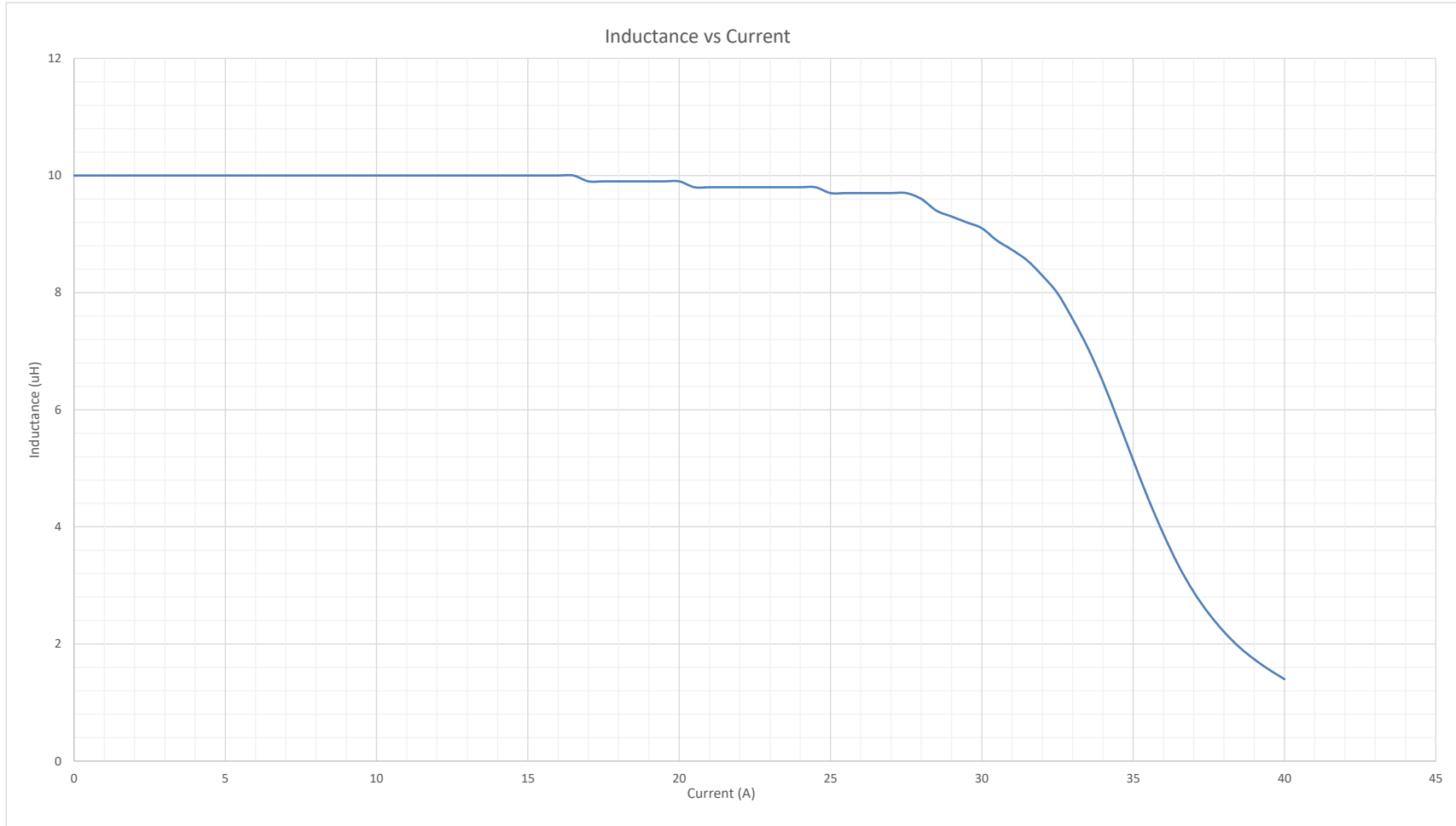
www.mpsind.com

Tel: (310) 325-1043 Fax: (310) 325-1044

Description

Helical Wound Inductor

Rev	Description	By	Date
A	Released for Production	KLC	6-Jul-16
B	Corrected DC bias graph and Isat	AG	7-Sep-17



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MPS INDUSTRIES, INC.

www.mpsind.com

Tel: (310) 325-1043 Fax: (310) 325-1044

Description

Helical Wound Inductor

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

Part Number

HWIA2918-028A-100S

REV

B

SCALE: X:X

WEIGHT: XX gms

SHEET: 2 OF 2