

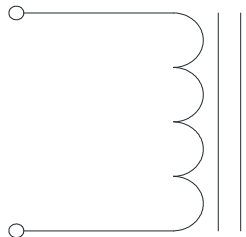
Rev	Description	By	Date
1	Preliminary	MIG	2-Mar-16
A	Released for Production (Wire Size & Lead Spacing changed) Current Rating increased to 47 Amp	KLC	6-Jul-16

ELECTRICAL SPECIFICATIONS @ 25°C

L: 24.0 $\mu\text{H} \pm 15\%$ @ 100kHz, 1.0 Vrms
Isat: $\Delta L \leq 10\%$ @ 29 A
 $\Delta L \leq 20\%$ @ 42 A
 $\Delta L \leq 30\%$ @ 52 A

Irms: $\Delta T \leq 20^\circ\text{C}$ @ 31 A
 $\Delta T \leq 40^\circ\text{C}$ @ 47 A
DCR: 2.2 m Ω Nom ; 2.8 m Ω Max
SRF (TYP) 14.0 MHz
Capacitance (TYP) 5.40 pF
Hipot: 1000 Vdc, 1 mA, 5 sec, wdg to core
Insulation Class: Class H 180 °C
RoHS Compliant: Yes

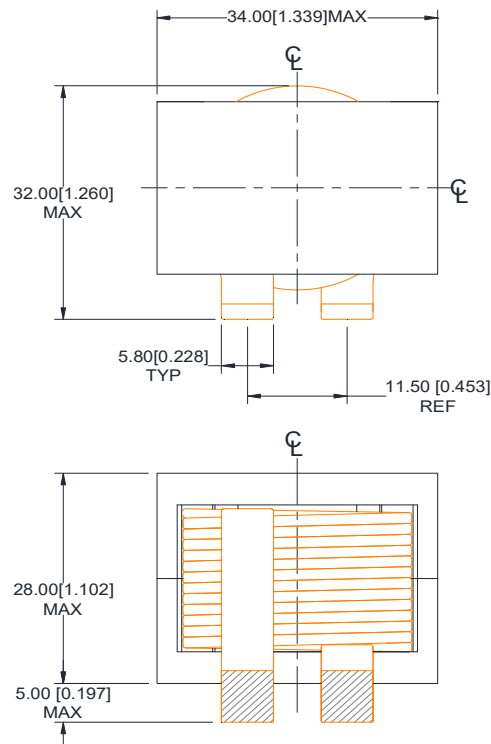
SCHEMATIC



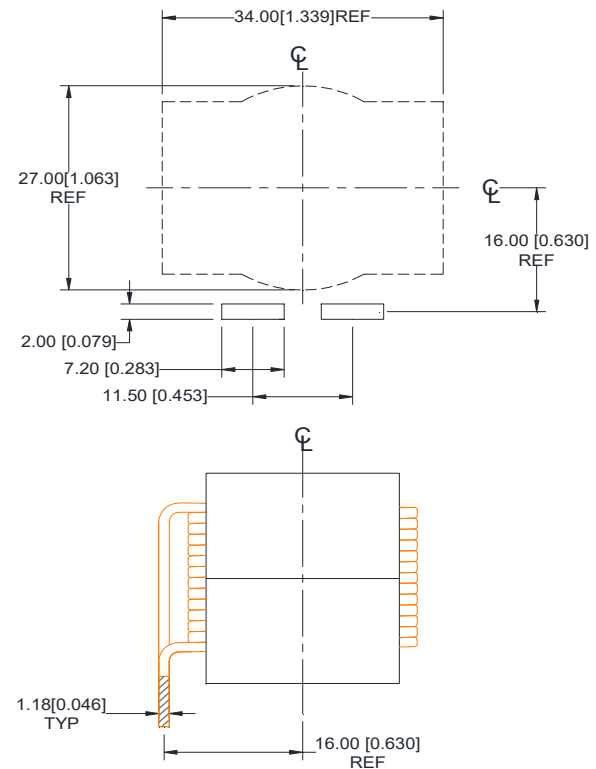
MARKING

MPS
 HWI3428-047A-240H Rev
 Date Code

Dimensions



Recommended PCB Layout



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: mm[inch] Unless otherwise specified .XX ± 0.51 [0.020"] .XXX ± 0.254 [0.010"]	DRAWN BY: CHECKED BY:	MIG AG	30-Jun-16 6-Jul-16	SIZE A
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MPS INDUSTRIES, INC.

www.mpsind.com

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

Description

Helical Wound Inductor

Part Number

HWI3428-047A-240H

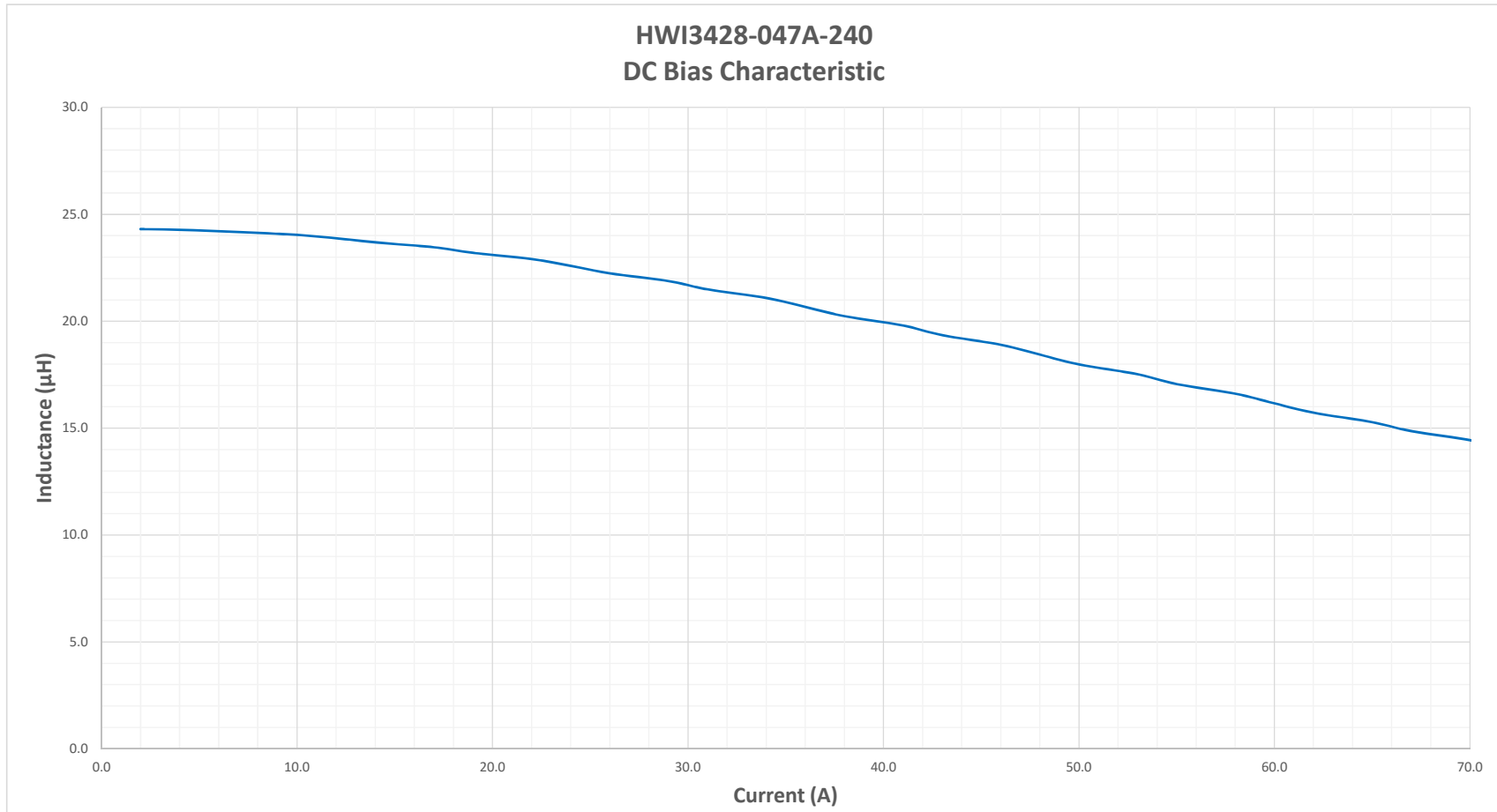
REV

A

WEIGHT: 135

SHEET: 1 OF 2

Rev	Description	By	Date
1	Preliminary	KLC	2-Mar-16
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.XXX ± 0.254[0.010"]

DRAWN BY:
CHECKED BY:

KLC
AG
30-Jun-16
6-Jul-16

SIZE
A

Part Number

HWI3428-047A-240H

SHEET: 2 OF 2

REV
A



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