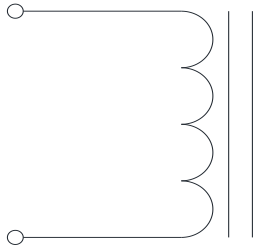


Rev	Description	By	Date
B	Released for Production	MIG	17-Mar-16
C	Corrected pin dimensions and DC bias graph	AG	17-Sep-20

### ELECTRICAL SPECIFICATIONS @ 25°C

L:	29μH±15% @ 10kHz, 1Vrms
Isat:	ΔL ≤ 10% @31A ΔL ≤ 30% @61A
Irms:	ΔT ≤ 20°C @ 29A ΔT ≤ 40°C @ 44A
DCR:	3.0mΩ Max
Hipot:	500Vdc, 1mA, 5s, wdg to core
Insulation Class:	Class H 180°C
RoHS Compliant:	Yes

### SCHEMATIC

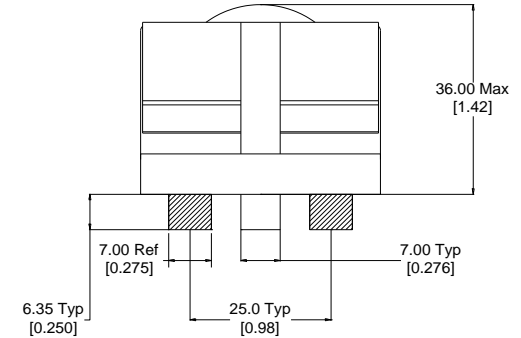
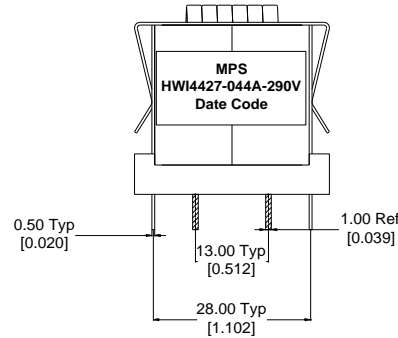
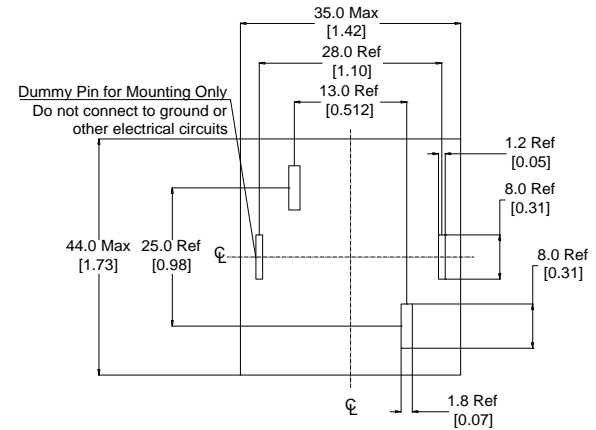
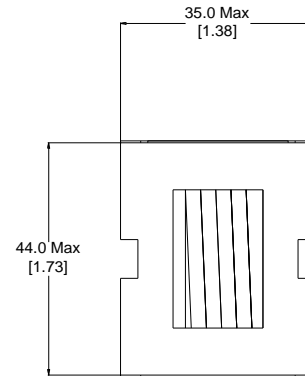


### MARKING

MPS  
HWI4427-044A-290V\_REV#  
Date Code

### DIMENSIONS

### Recommended PCB Layout



Dimensions: mm/[inch]

#### Notice of Proprietary Property

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Dimensions Unless otherwise specified .XX ± 0.254mm [.010"] .XXX ± 0.13mm [.005"]	DRAWN BY:	MIG	17-Mar-16	SIZE	Part Number	REV
	CHECKED BY:	KC	18-Mar-16	<b>A</b>	<b>HWI4427-044A-290V</b>	<b>C</b>



MPS INDUSTRIES, INC.

[www.mpsind.com](http://www.mpsind.com)

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

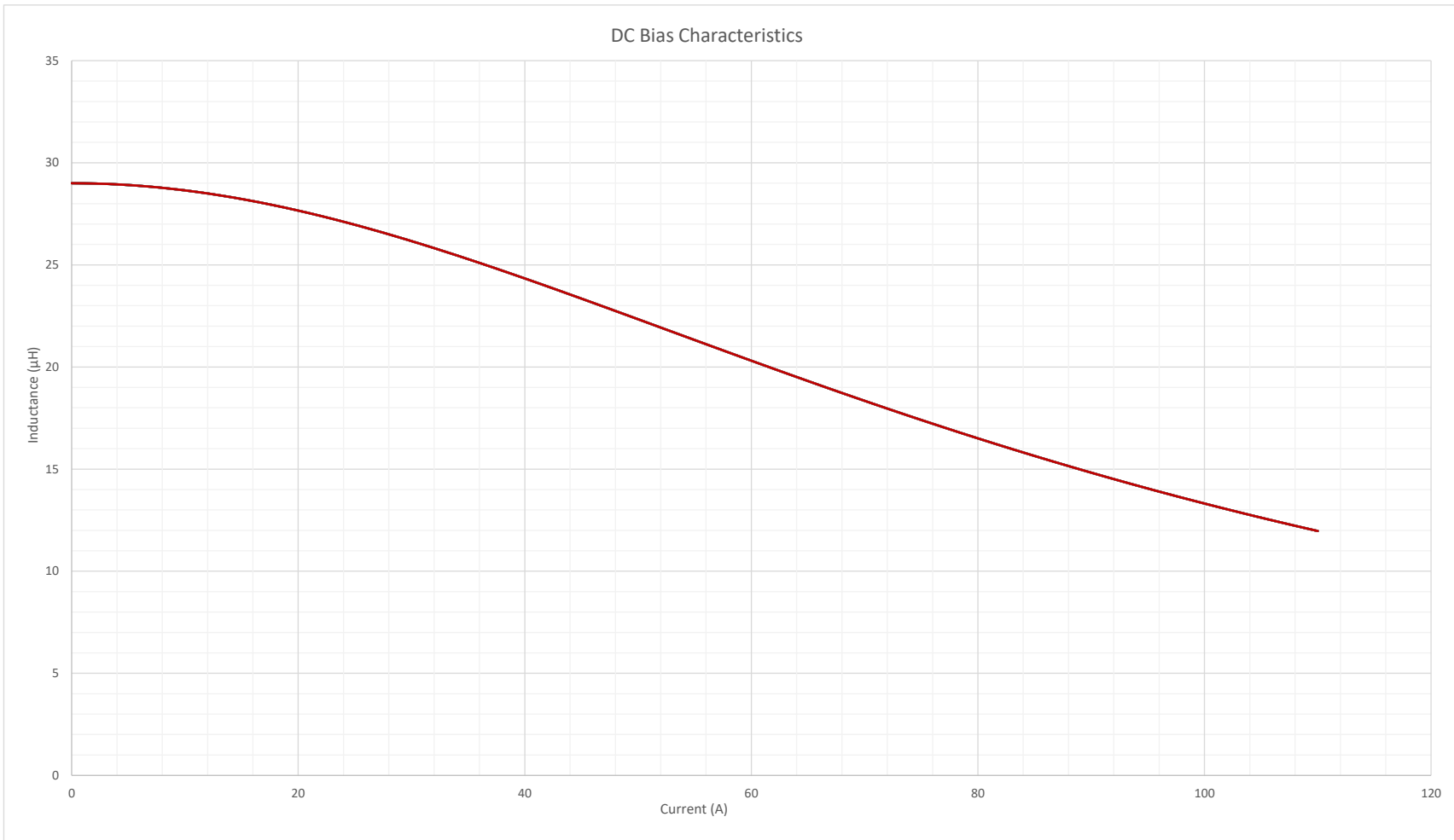
Description

**Helical Wound Inductor**

WEIGHT: 200 gms

SHEET: 1 OF 2

Rev	Description	By	Date
B	Released for Production	MIG	17-Mar-16
C	Corrected pin dimensions and DC bias graph	AG	17-Sep-20



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

Description

**Helical Wound Inductor**

**Dimensions**  
Unless otherwise specified  
.XX ± 0.254mm [.010"]  
.XXX ± 0.13mm [.005"]

DRAWN BY:  
CHECKED BY:

MIG  
KC

17-Mar-16  
18-Mar-16

SIZE  
**A**

Part Number

**HWI4427-044A-290V**

REV

**C**

SCALE: X:X

WEIGHT: 200 gms

SHEET: 2 OF 2