

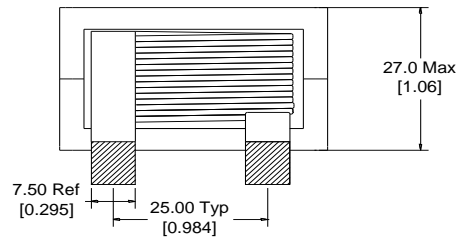
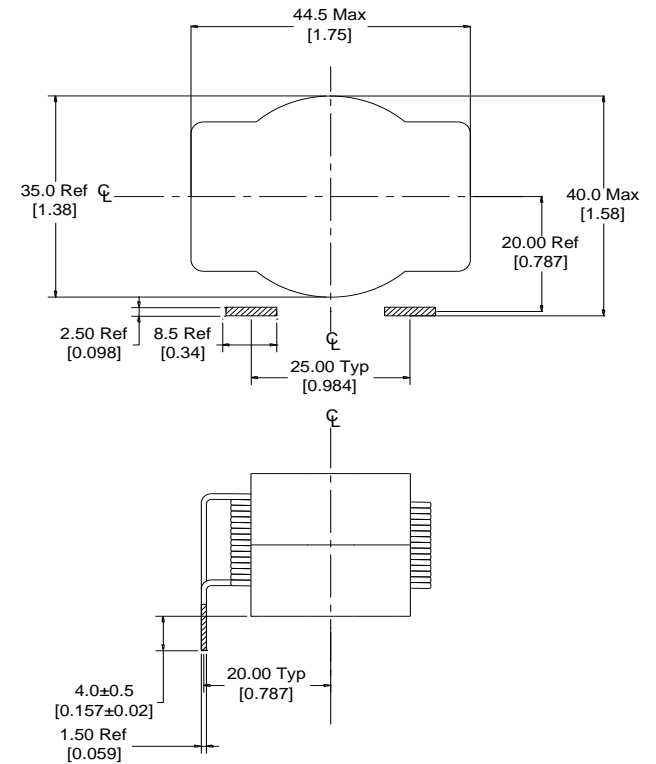
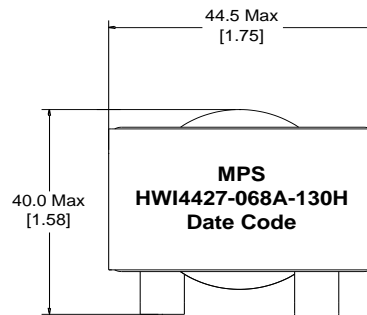
Rev	Description	By	Date
C	Changed Lead length, added SRF and Capacitance	KA	31-Aug-18
D	Corrected pin dimensions and DC bias graph	AG	17-Sep-20

### ELECTRICAL SPECIFICATIONS @ 25°C

L: 13μH±15% @ 10kHz, 1Vrms  
 Isat: ΔL ≤ 10% @47A  
       ΔL ≤ 30% @91A  
 Irms: ΔT ≤ 20°C @ 45A  
       ΔT ≤ 40°C @68A  
 DCR: 1.3mΩ Max  
 SRF: 15.1 Mhz (Typ)  
 Capacitance: 8.5 pF  
 Hipot: 500Vdc, 1mA, 5s, wdg to core  
 Insulation Class: Class H 180°C  
 RoHS Compliant: Yes

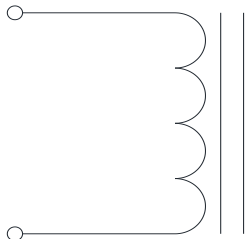
### DIMENSIONS

#### Recommended PCB Layout



Dimensions: mm/[inch]

### SCHEMATIC



### MARKING

MPS  
 HWI4427-068A-130H\_REV#  
 Date Code

#### Notice of Proprietary Property

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<b>Dimensions</b> Unless otherwise specified .XX ± 0.254mm [.010"] .XXX ± 0.13mm [.005"]		DRAWN BY: CHECKED BY:	MIG KC	17-Mar-16 18-Mar-16	SIZE <b>A</b>	Part Number <b>HWI4427-068A-130H</b>	REV <b>D</b>
WEIGHT: 190 gms						SHEET: 1 OF 2	



MPS INDUSTRIES, INC.

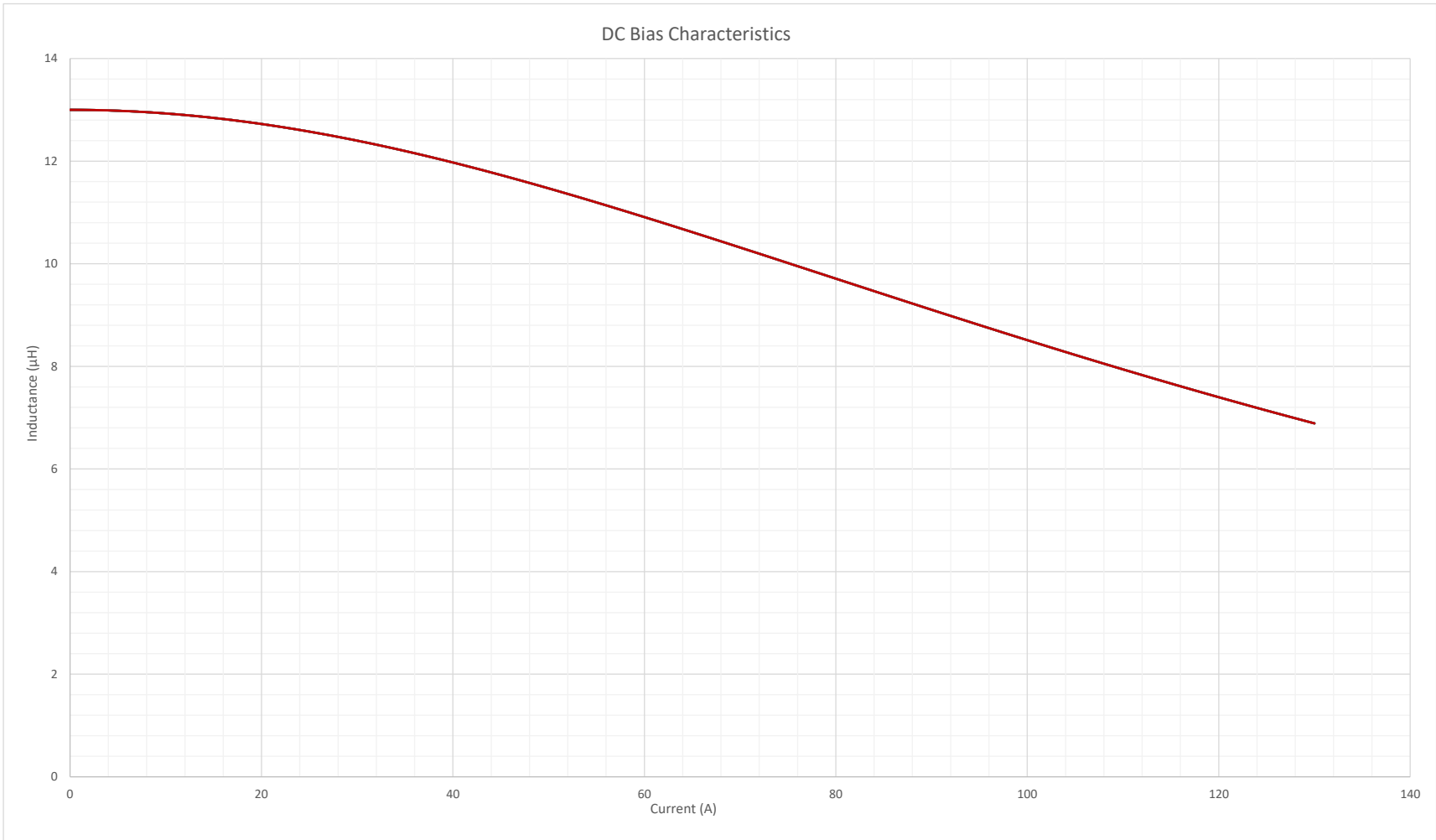
[www.mpsind.com](http://www.mpsind.com)

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

Description

**Helical Wound Inductor**

Rev	Description	By	Date
C	Changed Lead length, added SRF and Capacitance	KA	31-Aug-18
D	Corrected pin dimensions and DC bias graph	AG	17-Sep-20



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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

**HWI4427-068A-130H**

REV

**D**

SCALE: X:X

WEIGHT: 190 gms

SHEET: 2 OF 2