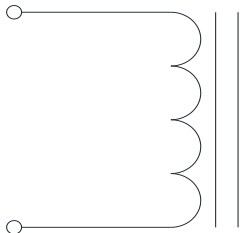


Rev	Description	By	Date
C	Added SRF, Capacitance and shortened leads	KA	3-Jul-19
D	Corrected pin dimensions and DC bias graph	AG	17-Sep-20

### ELECTRICAL SPECIFICATIONS @ 25°C

L: 3.3μH±15% @ 10kHz, 1Vrms  
 Isat: ΔL ≤ 10% @95A  
           ΔL ≤ 30% @183A  
 Irms: ΔT ≤ 20°C @ 80A  
           ΔT ≤ 40°C @122A  
 DCR: 0.4mΩ Max  
 SRF: 22.5 MHz Typ  
 Capacitance: 15 pF Typ  
 Hipot: 500Vdc, 1mA, 5s, wdg to core  
 Insulation Class: Class H 180°C  
 RoHS Compliant: Yes

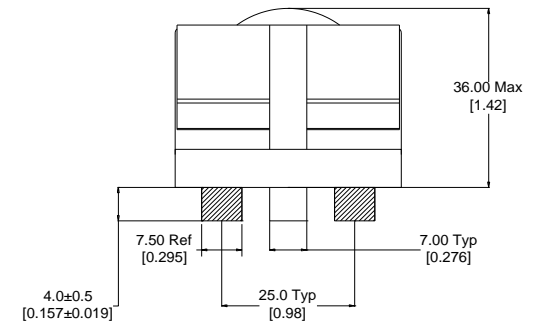
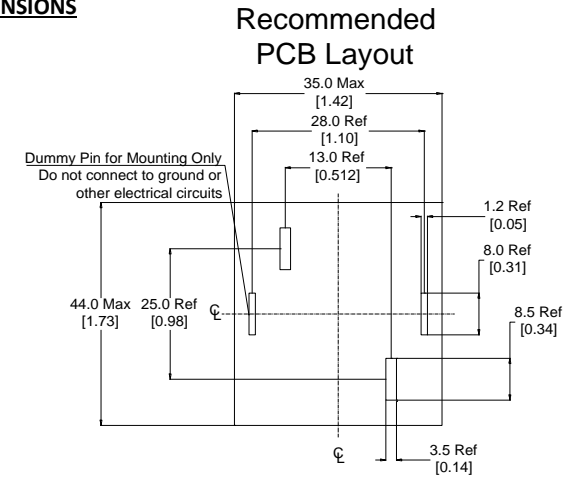
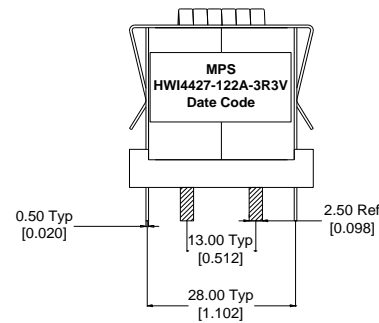
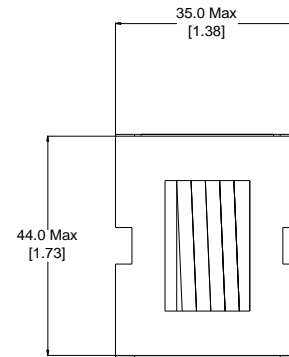
### SCHEMATIC



### MARKING

MPS  
 HWI4427-122A-3R3V\_REV#  
 Date Code

### DIMENSIONS



Dimensions: mm/[inch]

#### 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

<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>	Description <b>Helical Wound Inductor</b> Part Number <b>HWI4427-122A-3R3V</b>	REV <b>D</b>
WEIGHT: 200 gms						SHEET: 1 OF 2	

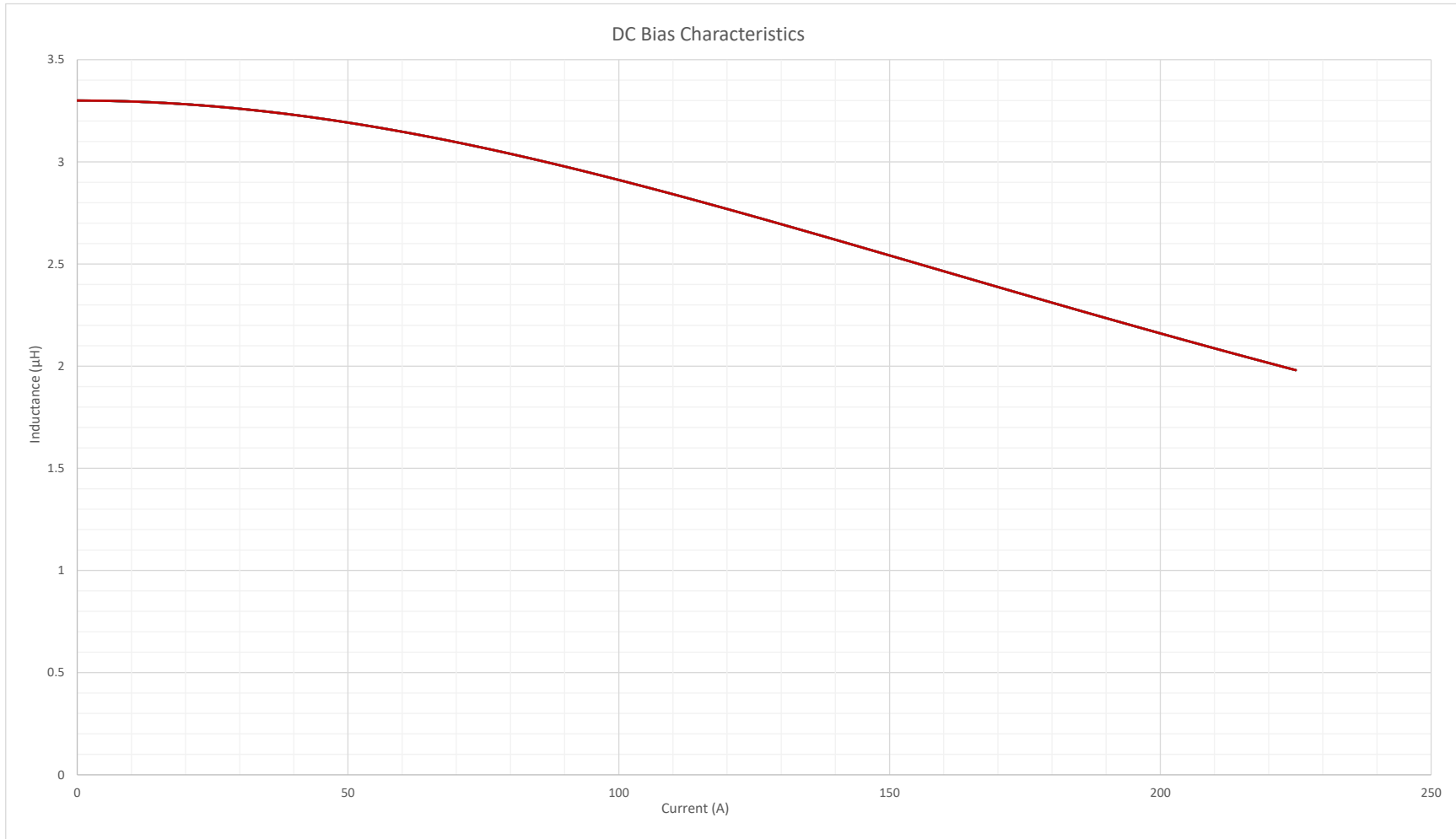


MPS INDUSTRIES, INC.

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

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

Rev	Description	By	Date
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**Dimensions**  
 Unless otherwise specified  
 .XX ± 0.254mm [.010"]  
 .XXX ± 0,13mm [.005"]

DRAWN BY:  
 CHECKED BY:

MIG 17-Mar-16  
 KC 18-Mar-16

SIZE  
**A**



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Description  
**Helical Wound Inductor**

Part Number  
**HWI4427-122A-3R3V**

REV  
**D**

SCALE: X:X

WEIGHT: 200 gms

SHEET: 2 OF 2