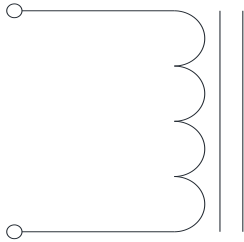


Rev	Description	By	Date
C	Added SRF, Capacitance and shortened leads	KA	3-Jul-19
D	Corrected pin dimensions and DC bias graph	AG	17-Sep-20

### ELECTRICAL SPECIFICATIONS @ 25°C

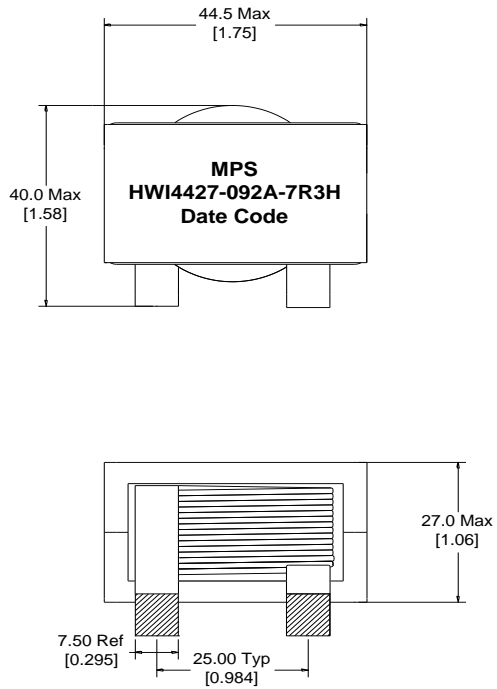
L:	7.3μH±15% @ 10kHz, 1Vrms
Isat:	ΔL ≤ 10% @63A ΔL ≤ 30% @122A
Irms:	ΔT ≤ 20°C @ 61A ΔT ≤ 40°C @92A
DCR:	0.7mΩ Max
SRF:	15 MHz Typ
Capacitance:	15 pF Typ
Hipot:	500Vdc, 1mA, 5s, wdg to core
Insulation Class:	Class H 180°C
RoHS Compliant:	Yes

### SCHEMATIC



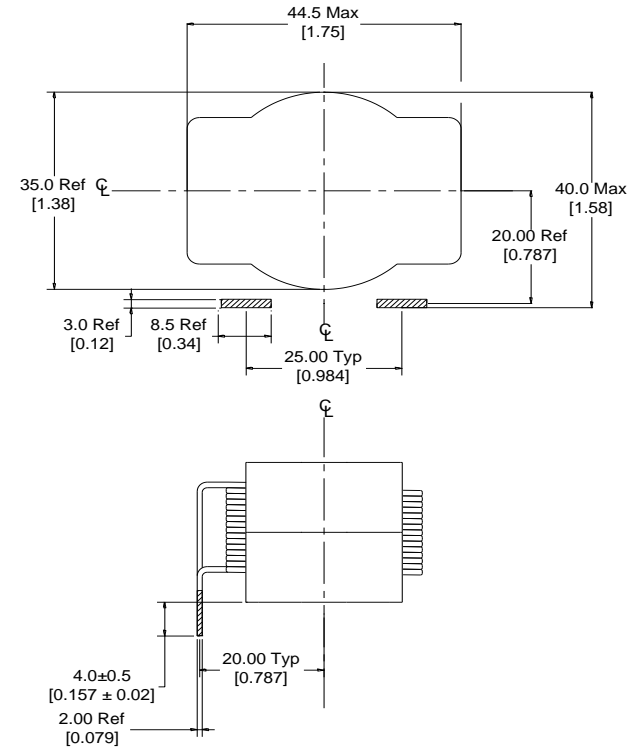
### MARKING

MPS  
HWI4427-092A-7R3H\_REV#  
Date Code



### DIMENSIONS

#### Recommended PCB Layout



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>	Part Number <b>HWI4427-092A-7R3H</b>	REV <b>D</b>
WEIGHT: 190 gms						SHEET: 1 OF 2	



MPS INDUSTRIES, INC.

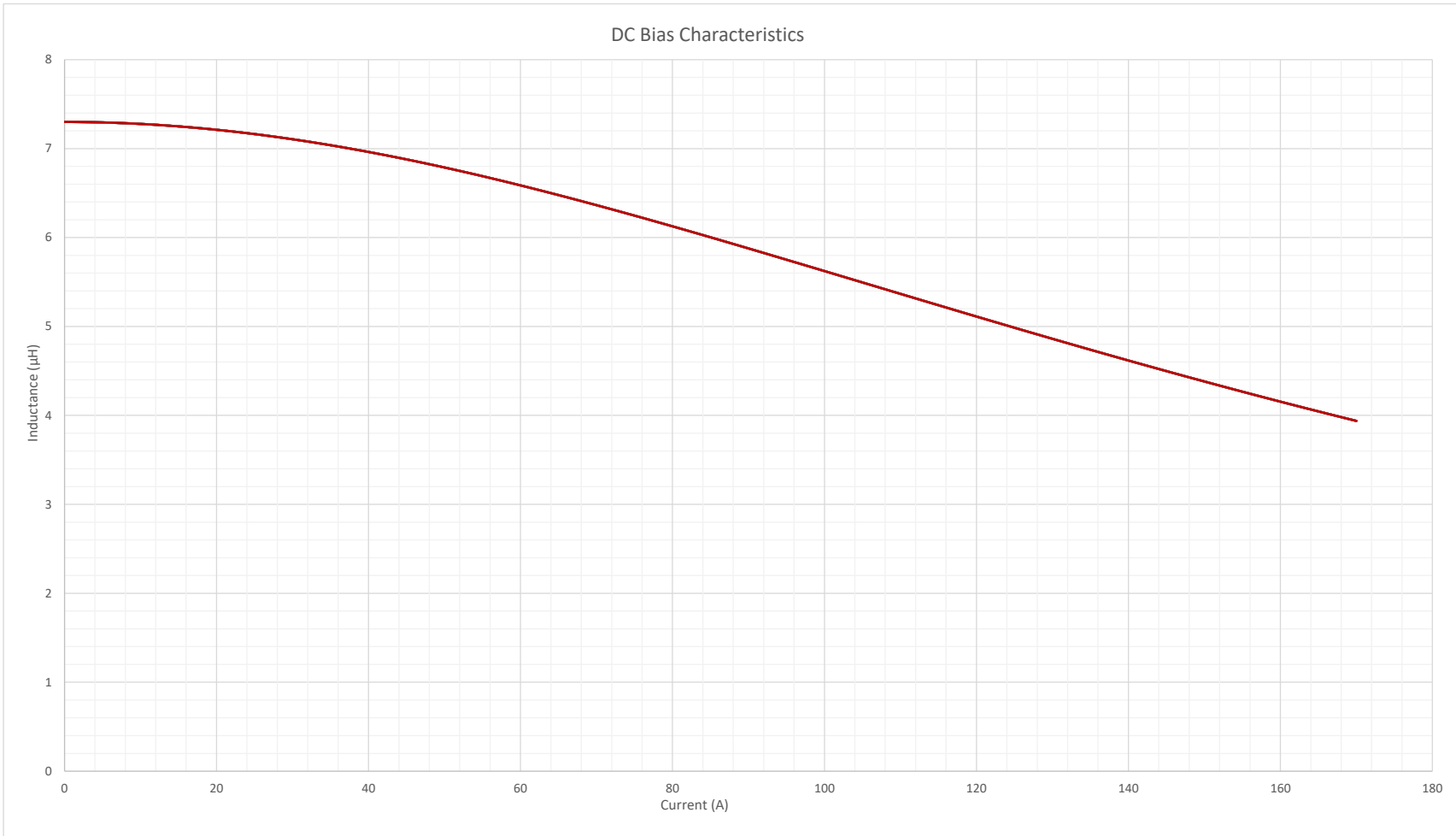
[www.mpsind.com](http://www.mpsind.com)

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

Description

**Helical Wound Inductor**

Rev	Description	By	Date
C	Added SRF, Capacitance and shortened leads	KA	3-Jul-19
D	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

**HWI4427-092A-7R3H**

REV

**D**

SCALE: X:X

WEIGHT: 190 gms

SHEET: 2 OF 2