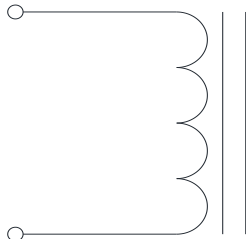


Rev	Description	By	Date
D	Changed wire size	AG	7-May-19
E	Corrected pin dimension and DC bias graph	AG	21-Sep-20

### ELECTRICAL SPECIFICATIONS @ 25°C

L:	37μH±15% @ 10kHz, 1Vrms
Isat:	ΔL ≤ 10% @ 45A
	ΔL ≤ 30% @ 81A
Irms:	ΔT ≤ 20°C @ 26A
	ΔT ≤ 40°C @ 40 A
DCR:	4.5mΩ Max
SRF:	8.8Mhz Typ
Capacitance:	8 pF Typ
Hipot:	500Vdc, 1mA Max, 5s, wdg to core
Insulation Class:	Class H 180°C
RoHS Compliant:	Yes

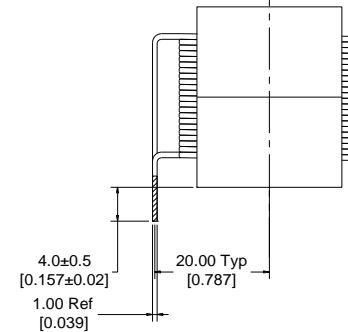
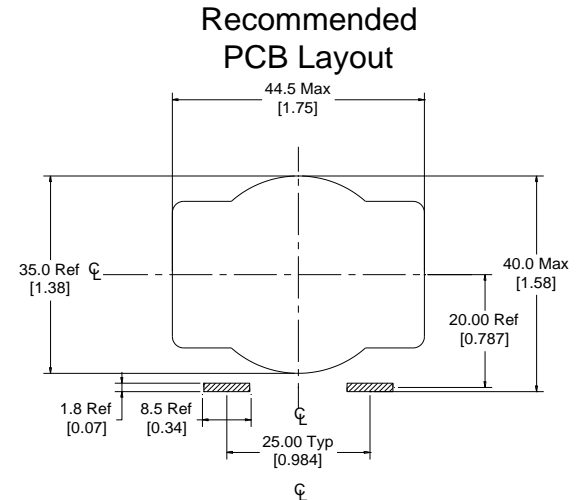
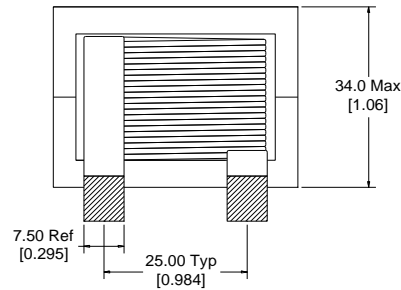
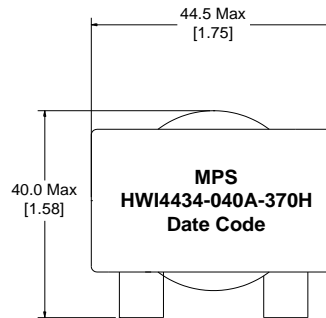
### SCHEMATIC



### MARKING

MPS  
HWI4434-040A-370H\_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:	MIG	17-Mar-16	SIZE	Part Number	REV
	CHECKED BY:	KC	18-Mar-16			
WEIGHT: 250 gms					SHEET: 1 OF 2	



MPS INDUSTRIES, INC.

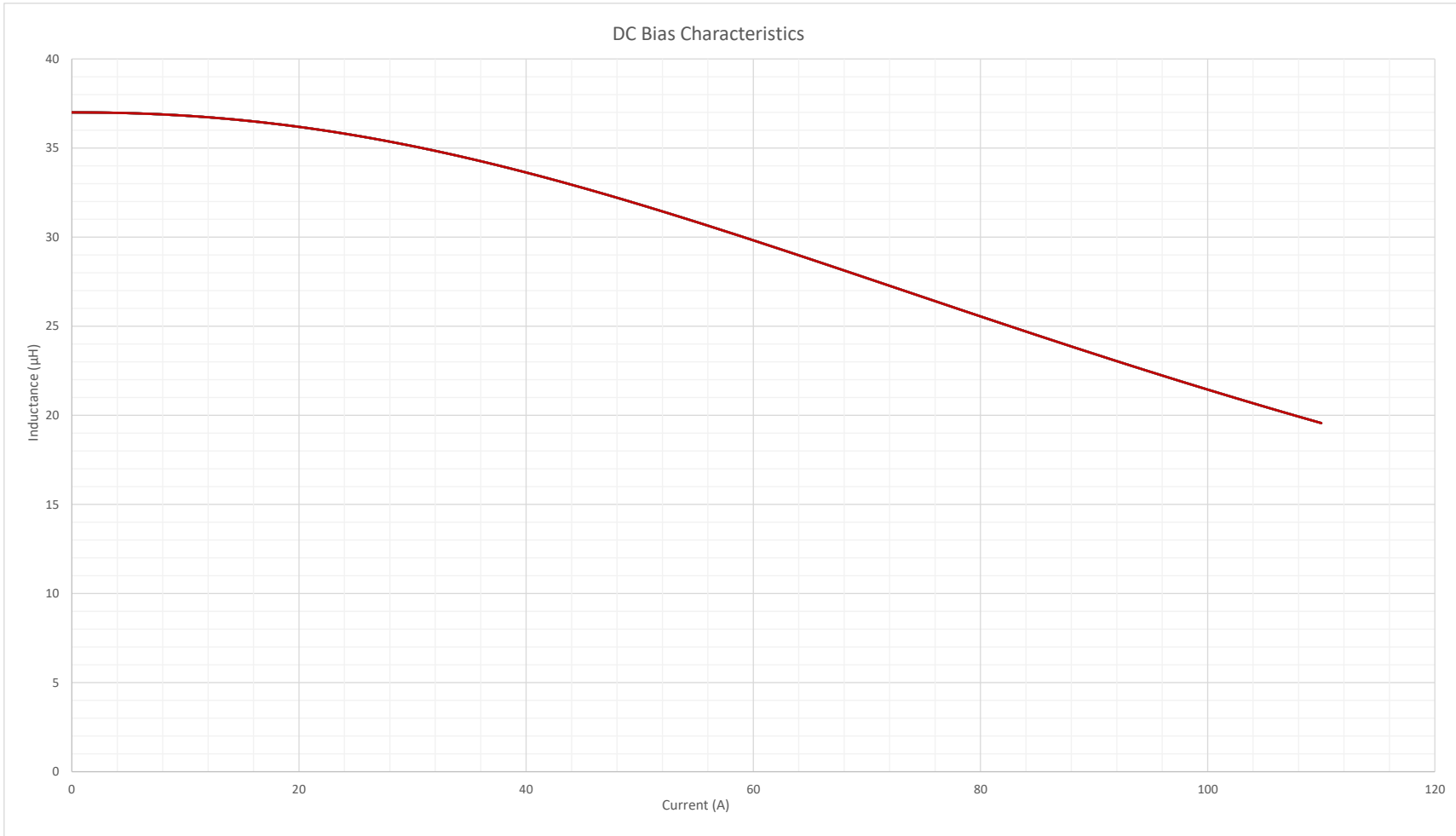
[www.mpsind.com](http://www.mpsind.com)

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

Description

**Helical Wound Inductor**

Rev	Description	By	Date
D	Changed wire size	AG	7-May-19
E	Corrected pin dimension and DC bias graph	AG	21-Sep-20



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www.mpsind.com

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

**HWI4434-040A-370H**

REV

**E**

SCALE: X:X

WEIGHT: 250 gms

SHEET: 2 OF 2