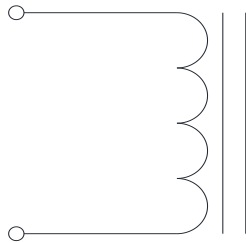


Rev	Description	By	Date
C	Added SRF, Capacitance and shortened leads	KA	3-Jul-19
D	Corrected pin dimensions and DC bias graph	AG	17-Sep-20

### 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

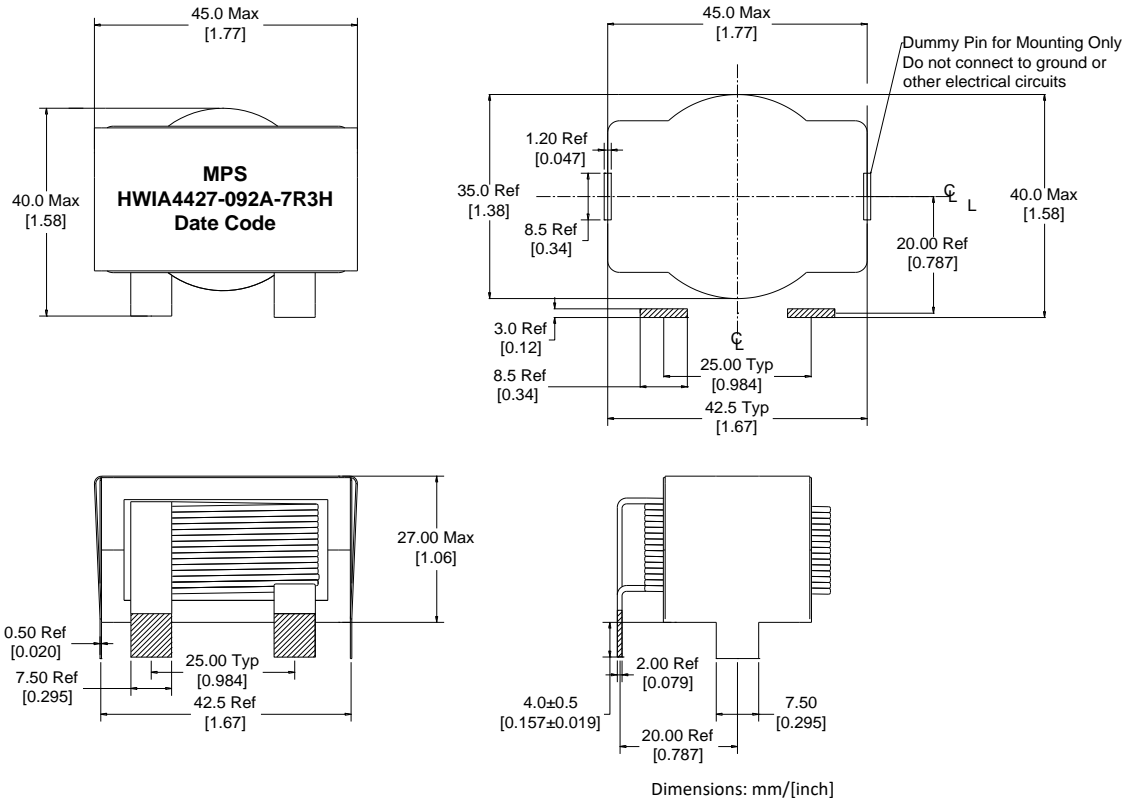


### MARKING

MPS  
HWIA4427-092A-7R3H\_REV#  
Date Code

### DIMENSIONS

#### Recommended PCB Layout



#### Notice of Proprietary Property

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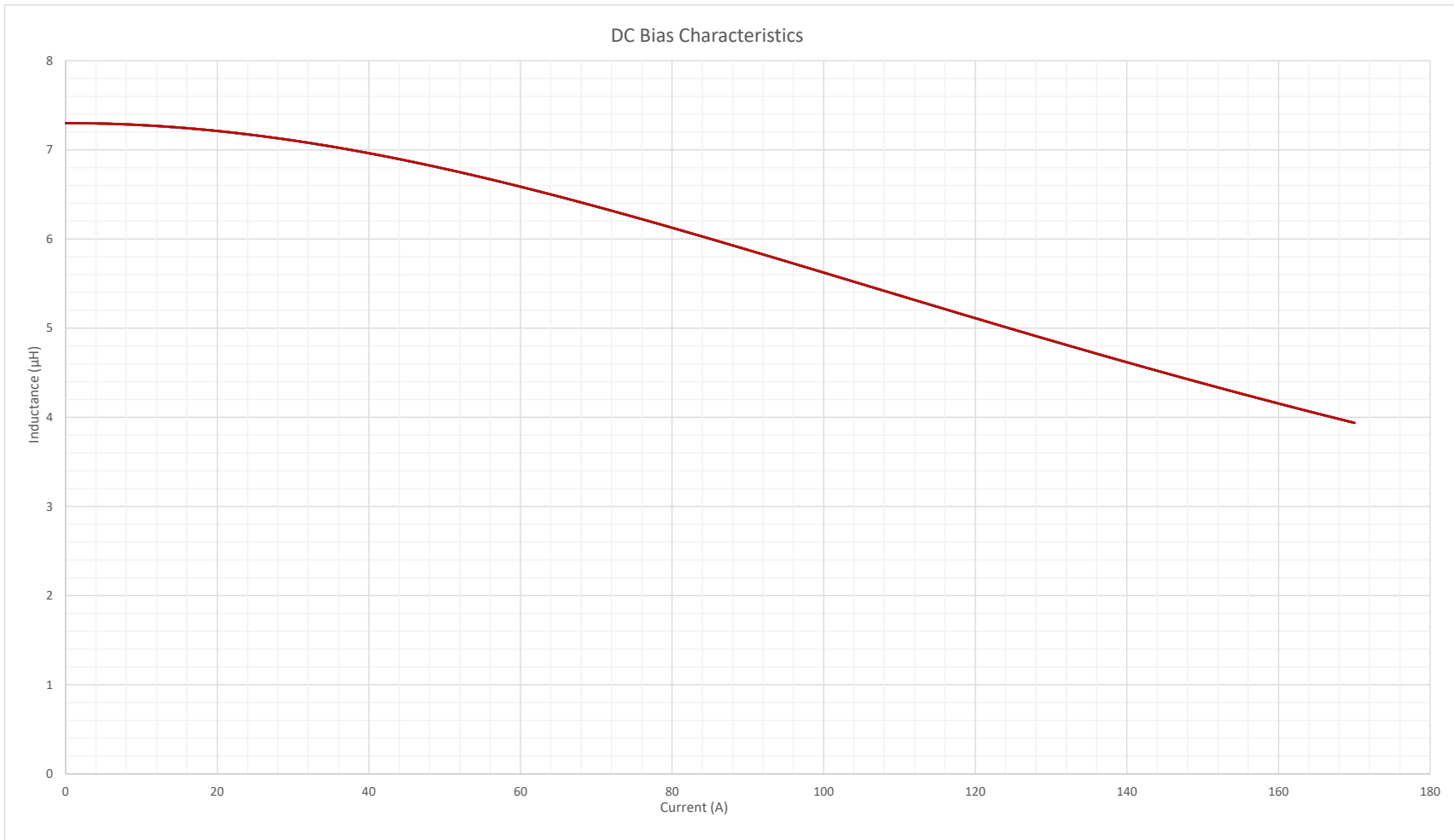
Tel: (310) 325-1043 Fax: (310) 325-1044

Description

**Helical Wound Inductor**

Dimensions	DRAWN BY:	MIG	17-Mar-16	SIZE	Part Number	REV
Unless otherwise specified .XX ± 0.254mm [.010"] .XXX ± 0.13mm [.005"]	CHECKED BY:	KC	18-Mar-16	<b>A</b>	<b>HWIA4427-092A-7R3H</b>	<b>D</b>
					WEIGHT: 190 gms	SHEET: 1 OF 2

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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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

**HWIA4427-092A-7R3H**

REV

**D**

SCALE: X:X

WEIGHT: 190 gms

SHEET: 2 OF 2