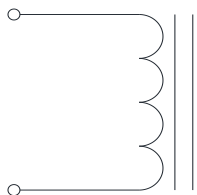


Rev	Description	By	Date
C	Added SRF, Capacitance and shortened leads	KA	3-Jul-19
D	Corrected pin dimensions and DC bias graph	AG	17-Sep-20

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

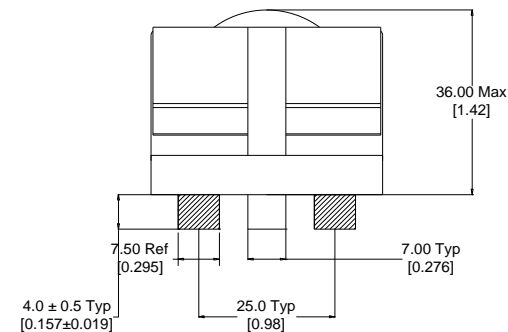
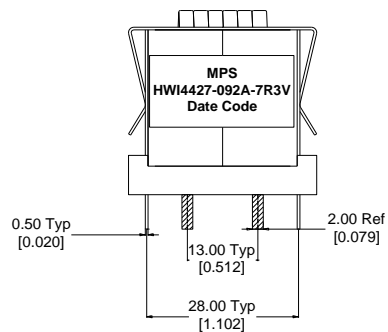
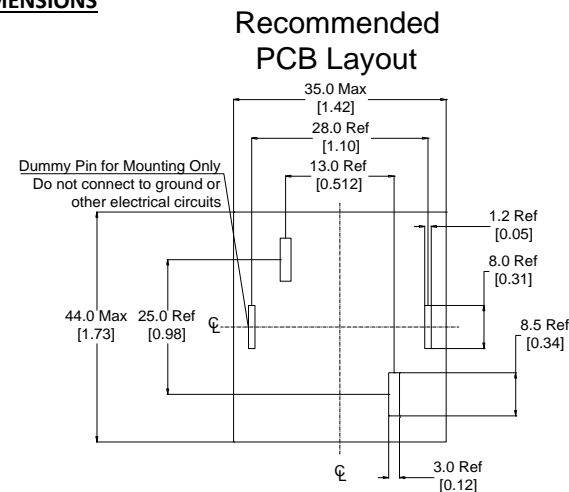
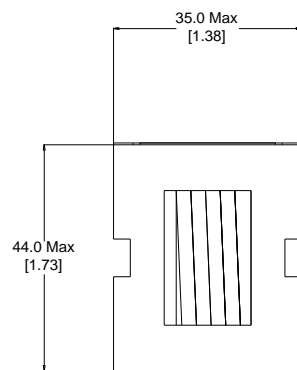
SCHEMATIC



MARKING

MPS
HWI4427-092A-7R3V_REV#
Date Code

DIMENSIONS



Dimensions: mm/[inch]

Notice of Proprietary Property

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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	Description <p style="text-align: center;">Helical Wound Inductor</p>	REV D
					Part Number <p style="text-align: center;">HWI4427-092A-7R3V</p>	
WEIGHT: 200 gms					SHEET: 1 OF 2	

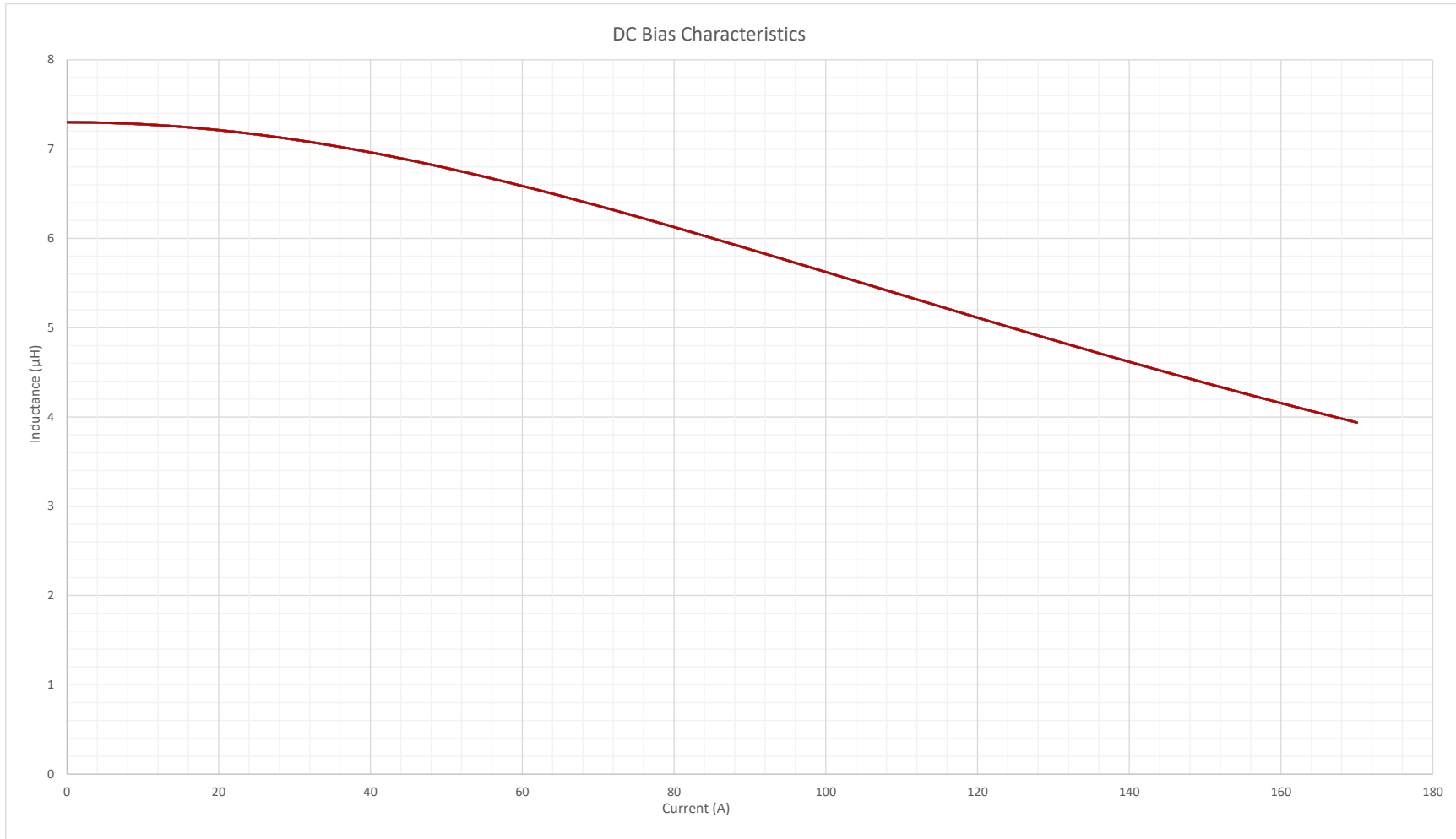


MPS INDUSTRIES, INC.

www.mpsind.com

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


Rev	Description	By	Date
C	Added SRF, Capacitance and shortened leads	KA	3-Jul-19
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Dimensions Unless otherwise specified .XX ± 0.254mm [.010"] .XXX ± 0.13mm [.005"]	DRAWN BY:	MIG	17-Mar-16	SIZE
	CHECKED BY:	KC	18-Mar-16	A

		MPS INDUSTRIES, INC. www.mpsind.com Tel: (310) 325-1043 Fax: (310) 325-1044	
Description Helical Wound Inductor			
Part Number		HWI4427-092A-7R3V	
SCALE: X:X		WEIGHT: 200 gms SHEET: 2 OF 2	
			REV D