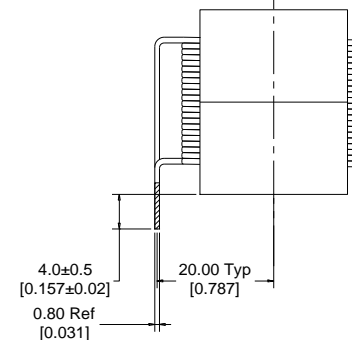
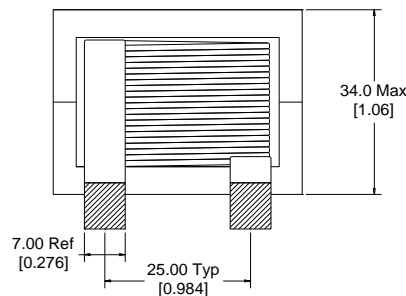
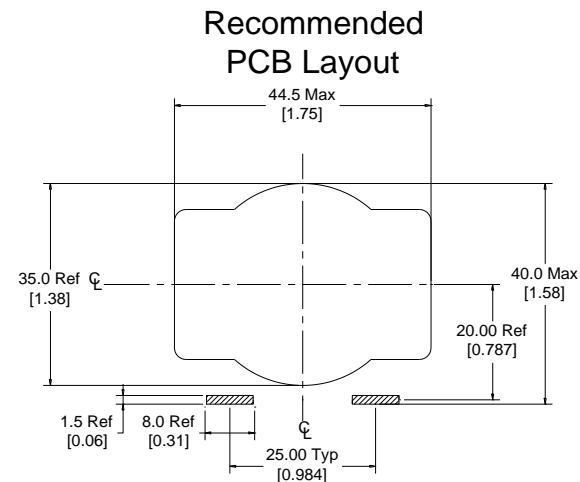
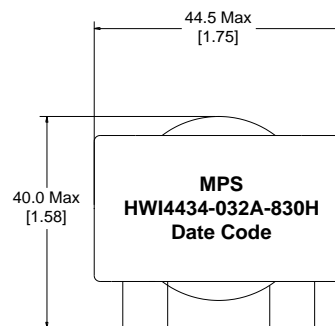


Rev	Description	By	Date
C	Added SRF, Capacitance to Electrical specifications and changed lead length	KA	15-Jul-19
D	Corrected pin dimension and DC bias graph	AG	21-Sep-20

ELECTRICAL SPECIFICATIONS @ 25°C

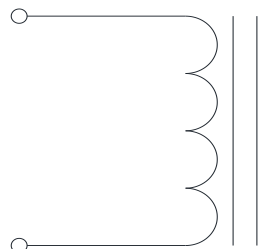
L:	83μH±15% @ 10kHz, 1Vrms
Isat:	ΔL ≤ 10% @ 21 A ΔL ≤ 30% @ 39 A
Irms:	ΔT ≤ 20°C @ 21A ΔT ≤ 40°C @ 32 A
DCR:	6.8mΩ Max
SRF:	6.2 MHz Typ
Capacitance:	8 pF Typ
Hipot:	500Vdc, 1mA Max, 5s, wdg to core
Insulation Class:	Class H 180°C
RoHS Compliant:	Yes

DIMENSIONS



Dimensions: mm/[inch]

SCHEMATIC



MARKING

MPS
HWI4434-032A-830H_REV#
Date Code

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

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	REV D
					HWI4434-032A-830H	
					WEIGHT: 250 gms	SHEET: 2 OF 2



MPS INDUSTRIES, INC.

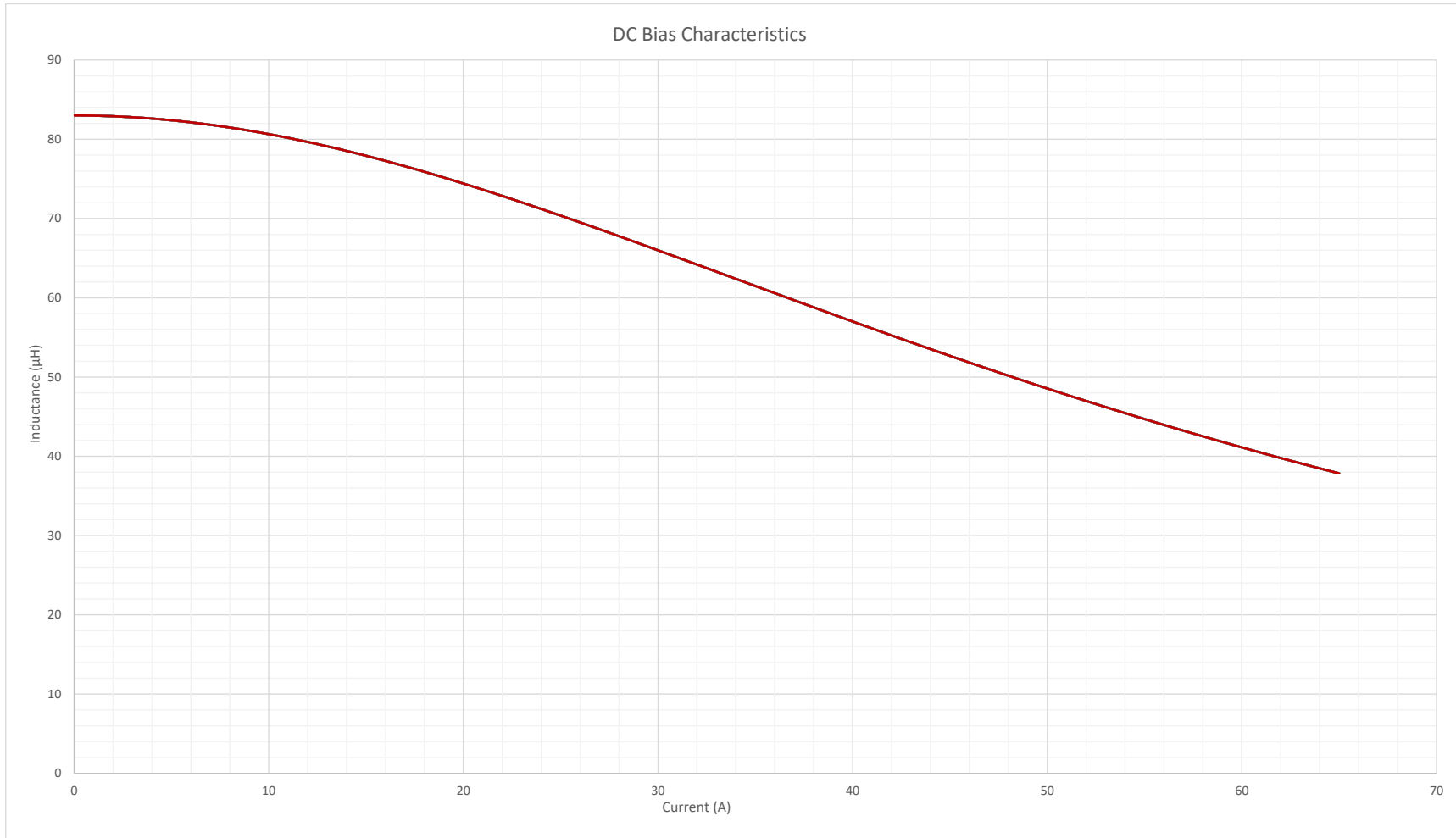
www.mpsind.com

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

Description

Helical Wound Inductor


Rev	Description	By	Date
C	Added SRF, Capacitance to Electrical specifications and changed lead length	KA	15-Jul-19
D	Corrected pin dimension and DC bias graph	AG	21-Sep-20



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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 <p style="text-align: center;">Helical Wound Inductor</p>	
Part Number <p style="text-align: center;">HWI4434-032A-830H</p>		REV <p style="text-align: center;">D</p>	
SCALE: X:X		WEIGHT: 250 gms SHEET: 2 OF 2	