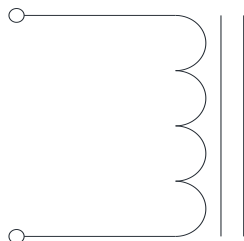


Rev	Description	By	Date
C	Changed lead length and added SRF, capacitance	KA	28-May-19
D	Corrected pin dimension and DC bias graph	AG	21-Sep-20

ELECTRICAL SPECIFICATIONS @ 25°C

L:	14μH±15% @ 10kHz, 1Vrms
Isat:	ΔL ≤ 10% @ 50A ΔL ≤ 30% @ 96A
Irms:	ΔT ≤ 20°C @ 52A ΔT ≤ 40°C @ 80A
DCR:	1.1mΩ Max
SRF:	20 MHz Typ
C:	4 pF Typ
Hipot:	500Vdc, 1mA, 5s, wdg to core
Insulation Class:	Class H 180°C
RoHS Compliant:	Yes

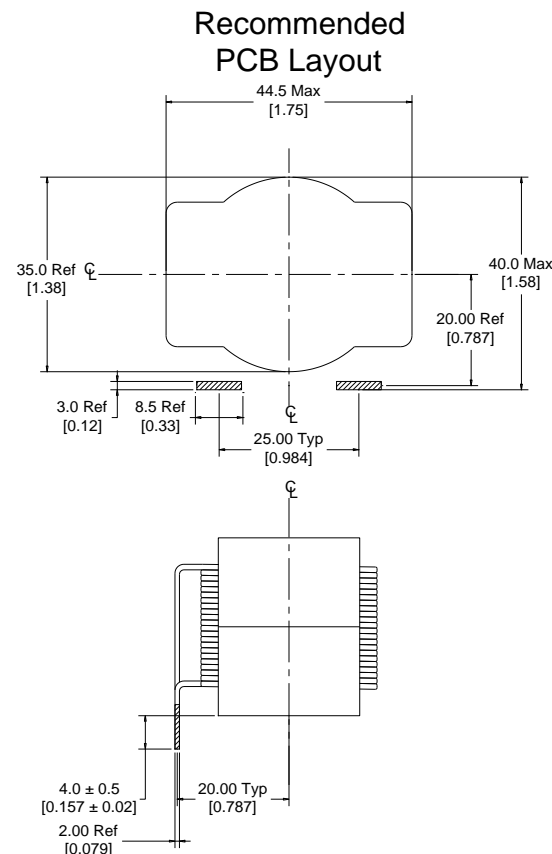
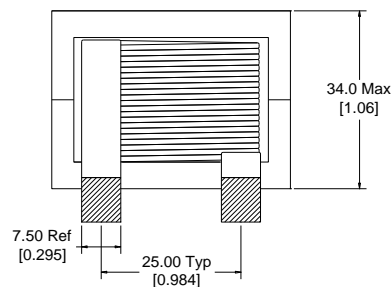
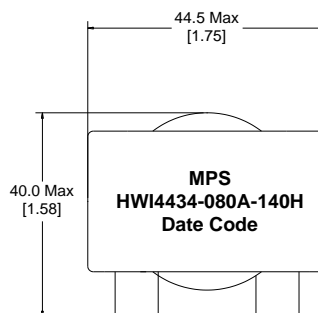
SCHEMATIC



MARKING

MPS
HWI4434-080A-140H_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

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
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MPS INDUSTRIES, INC.

www.mpsind.com

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

Description

Helical Wound Inductor

Part Number

HWI4434-080A-140H

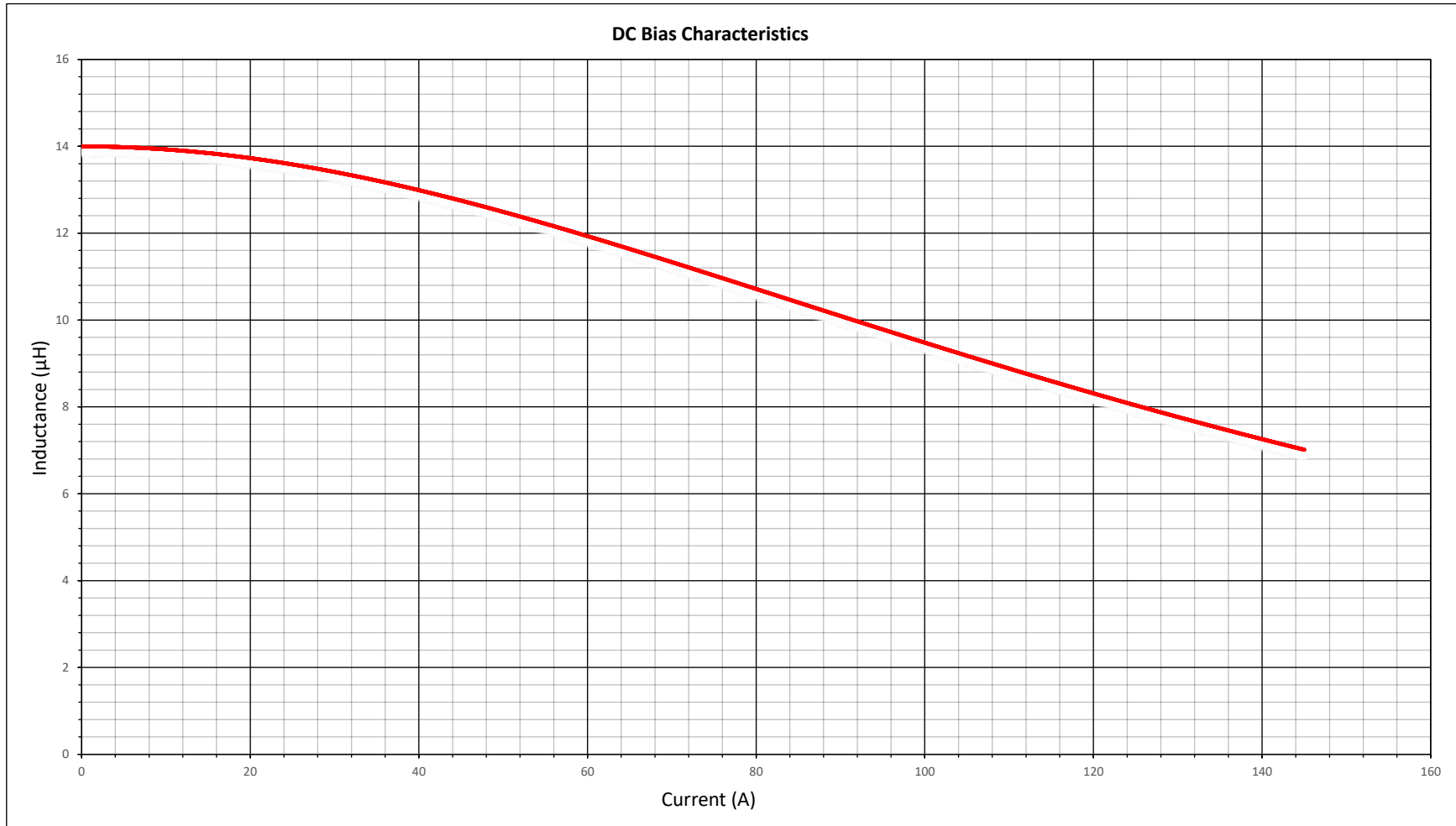
REV

D

WEIGHT: 250 gms

SHEET: 1 OF 2

Rev	Description	By	Date
C	Changed lead length and added SRF, capacitance	KA	28-May-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:
 CHECKED BY:

MIG 17-Mar-16
 KC 18-Mar-16

SIZE
A

Part Number

HWI4434-080A-140H

SCALE: X:X

WEIGHT: 250 gms

SHEET: 2 OF 2

REV

D



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Description

Helical Wound Inductor