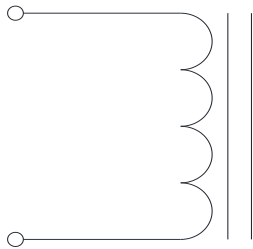


Rev	Description	By	Date
B	Released for Production	MIG	17-Mar-16
C	Corrected pin dimensions and DC bias graph	AG	17-Sep-20

ELECTRICAL SPECIFICATIONS @ 25°C

L:	8.7μH±15% @ 10kHz, 1Vrms
Isat:	ΔL ≤ 10% @ 87A
	ΔL ≤ 30% @ 154A
Irms:	ΔT ≤ 20°C @ 45A
	ΔT ≤ 40°C @ 68A
DCR:	1.3mΩ Max
Hipot:	500Vdc, 1mA, 5s, wdg to core
Insulation Class:	Class H 180°C
RoHS Compliant:	Yes

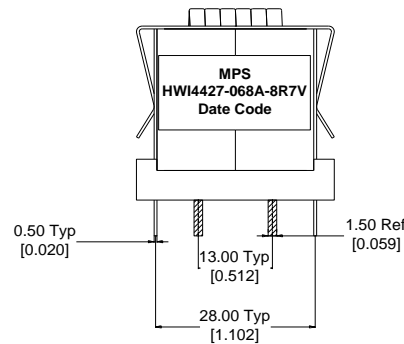
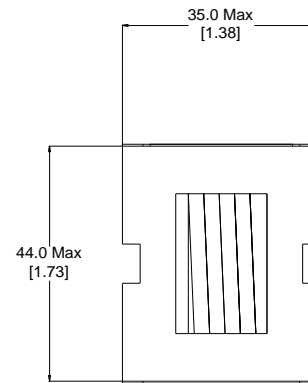
SCHEMATIC



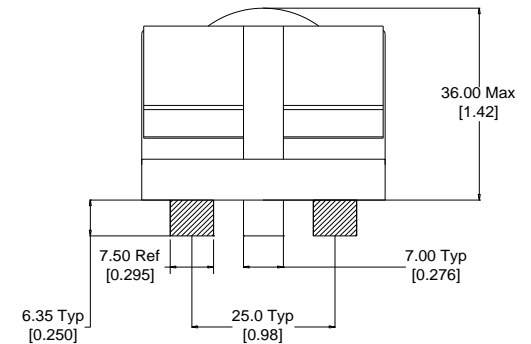
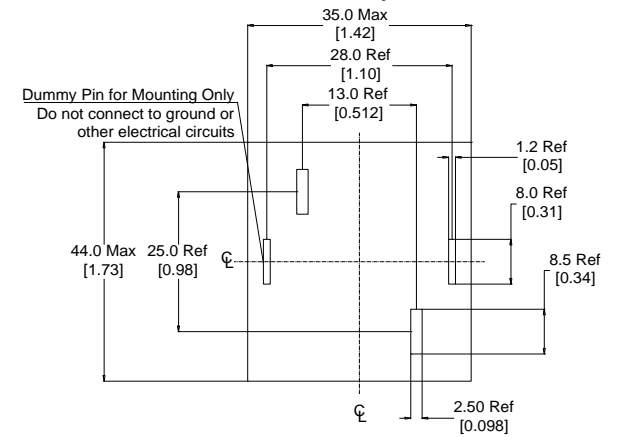
MARKING

MPS
HWI4427-068A-8R7V_REV#
Date Code

DIMENSIONS



Recommended PCB Layout



Dimensions: mm/[inch]

Notice of Proprietary Property

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MPS INDUSTRIES, INC.

www.mpsind.com

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

Description

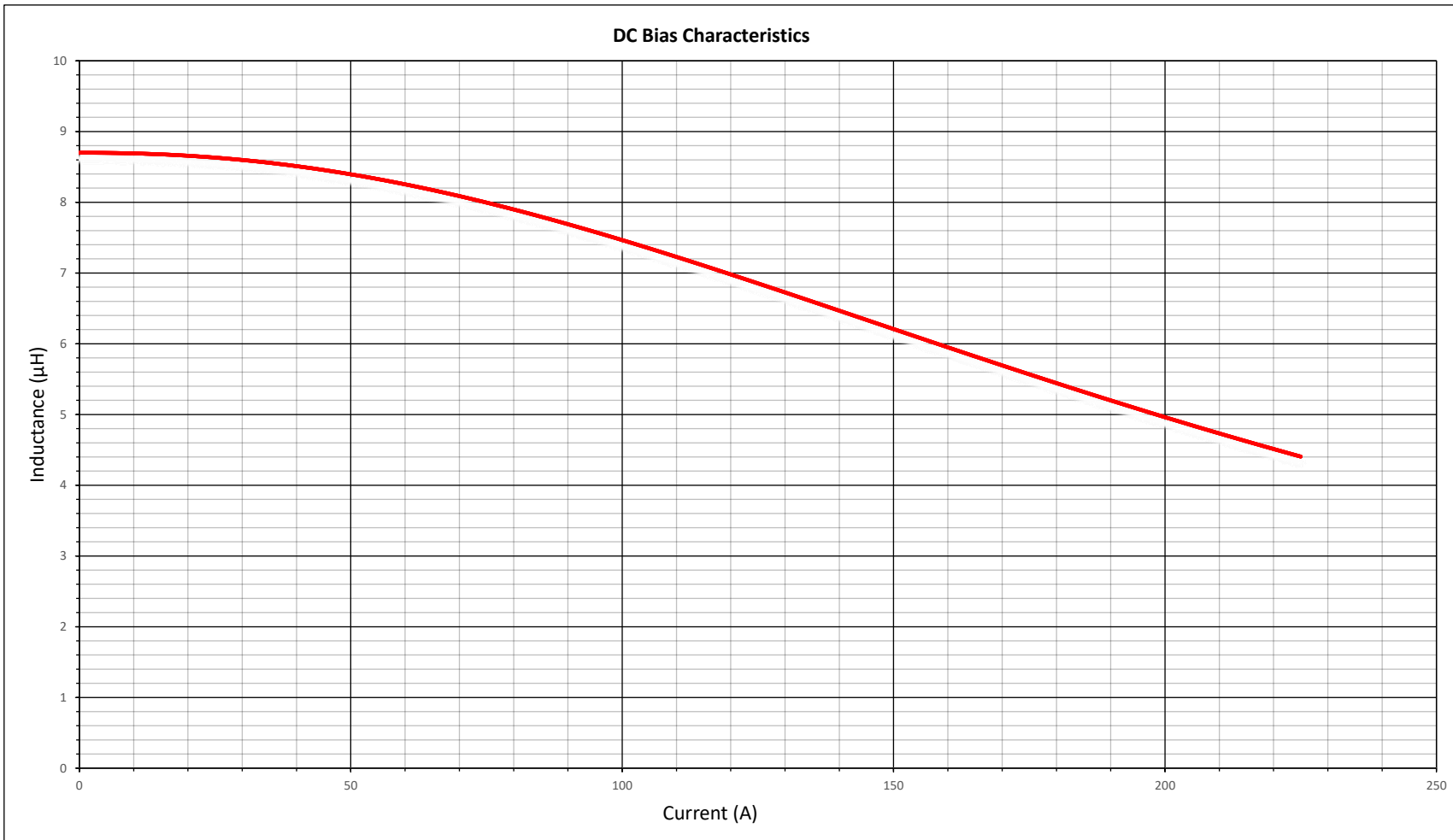
Helical Wound Inductor

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	A	HWI4427-068A-8R7V	C

WEIGHT: 200 gms

SHEET: 1 OF 2

Rev	Description	By	Date
B	Released for Production	MIG	17-Mar-16
C	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

HWI4427-068A-8R7V

REV

C

SCALE: X:X

WEIGHT: 200 gms

SHEET: 2 OF 2