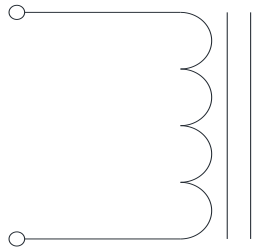


Rev	Description	By	Date
1	Preliminary	SO	7-Jun-23

ELECTRICAL SPECIFICATIONS @ 25°C

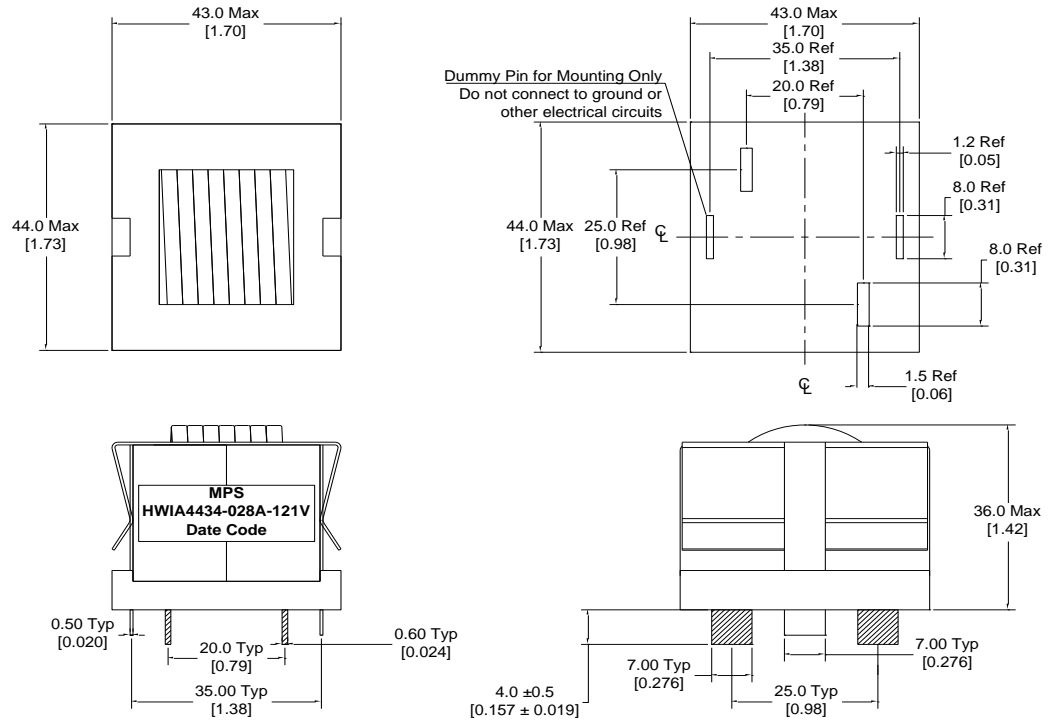
L: 125μH±15% @ 10kHz, 1Vrms
 Isat: ΔL ≤ 15% @18A
 ΔL ≤ 30% @31A
 Irms: ΔT ≤ 20°C @ 17A
 ΔT ≤ 40°C @ 28A
 DCR: 10.0mΩ Max
 Hipot: 2000Vdc, 1mA Max, 5s, wdg to core
 Insulation Class: Class H 180°C
 RoHS Compliant: Yes

SCHEMATIC



DIMENSIONS

Recommended PCB Layout



MARKING

MPS
 HWIA4434-028A-121V_REV#
 Date Code

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:	SO SO	7-Jun-23 7-Jun-23	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

HWIA4434-028A-121V

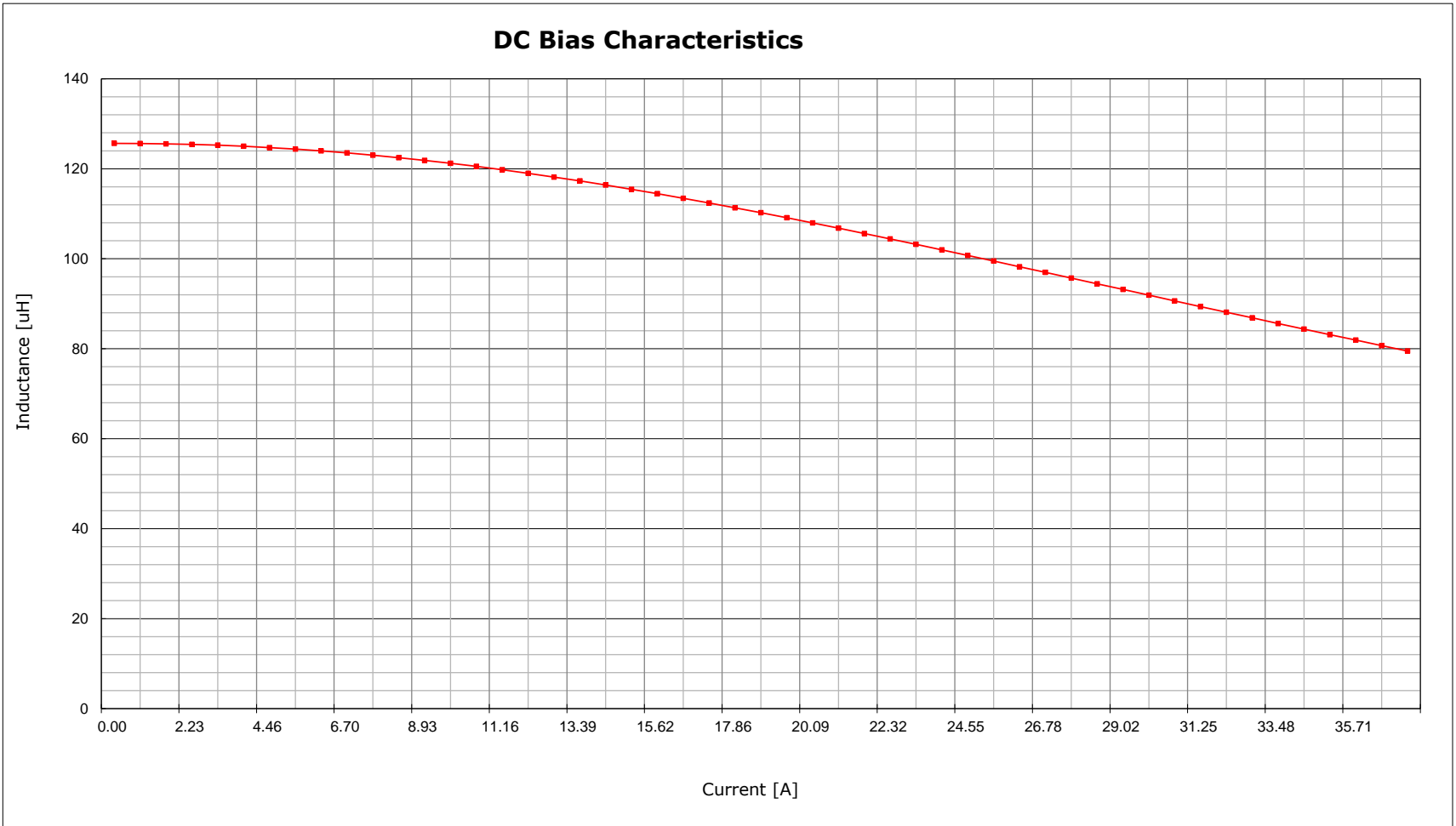
REV

1

WEIGHT: 250 gms

SHEET: 1 OF 2

Rev	Description	By	Date
1	Preliminary	SO	7-Jun-23



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Dimensions Unless otherwise specified .XX ± 0.254mm [.010"] .XXX ± 0.13mm [.005"]	DRAWN BY:	SO	7-Jun-23	SIZE	Part Number	REV
	CHECKED BY:	SO	7-Jun-23	A	HWIA4434-028A-121V	1
SCALE: X:X		WEIGHT: 250 gms		SHEET: 2 OF 2		