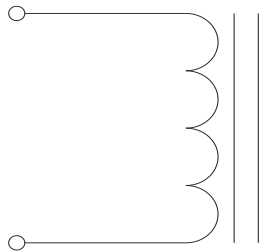


Rev	Description	By	Date
B	Released for Production	MIG	17-Mar-16
C	Corrected pin dimensions and DC bias graph	AG	17-Sep-20

ELECTRICAL SPECIFICATIONS @ 25°C

L: 29μH±15% @ 10kHz, 1Vrms
 Isat: ΔL ≤ 10% @31A
 ΔL ≤ 30% @61A
 Irms: ΔT ≤ 20°C @ 29A
 ΔT ≤ 40°C @ 44A
 DCR: 3.0mΩ Max
 Hipot: 500Vdc, 1mA, 5s, wdg to core
 Insulation Class: Class H 180°C
 RoHS Compliant: Yes

SCHEMATIC

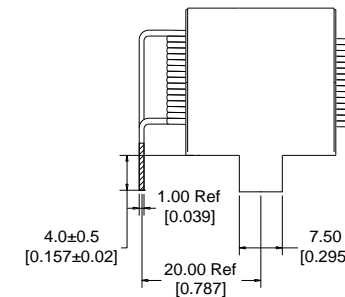
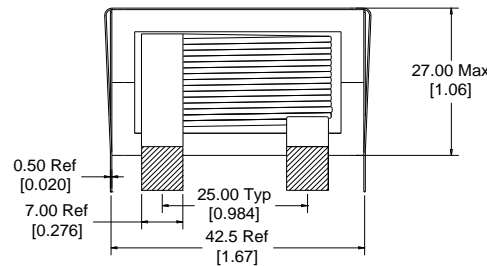
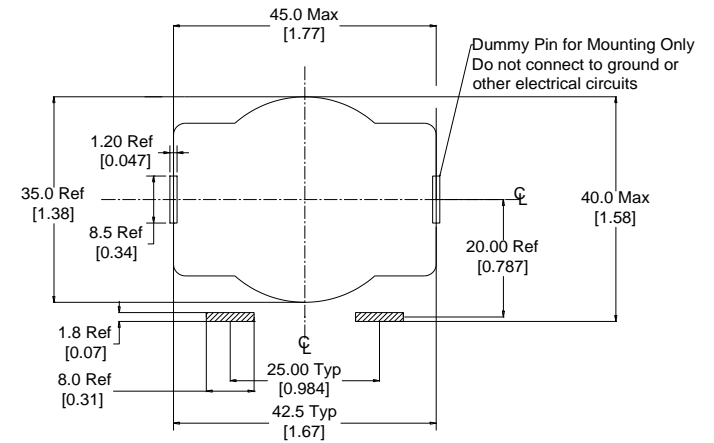
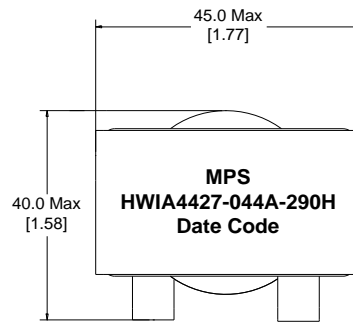


MARKING

MPS
 HWIA4427-044A-290H_REV#
 Date Code

DIMENSIONS

Recommended PCB Layout



Dimensions: mm/[inch]

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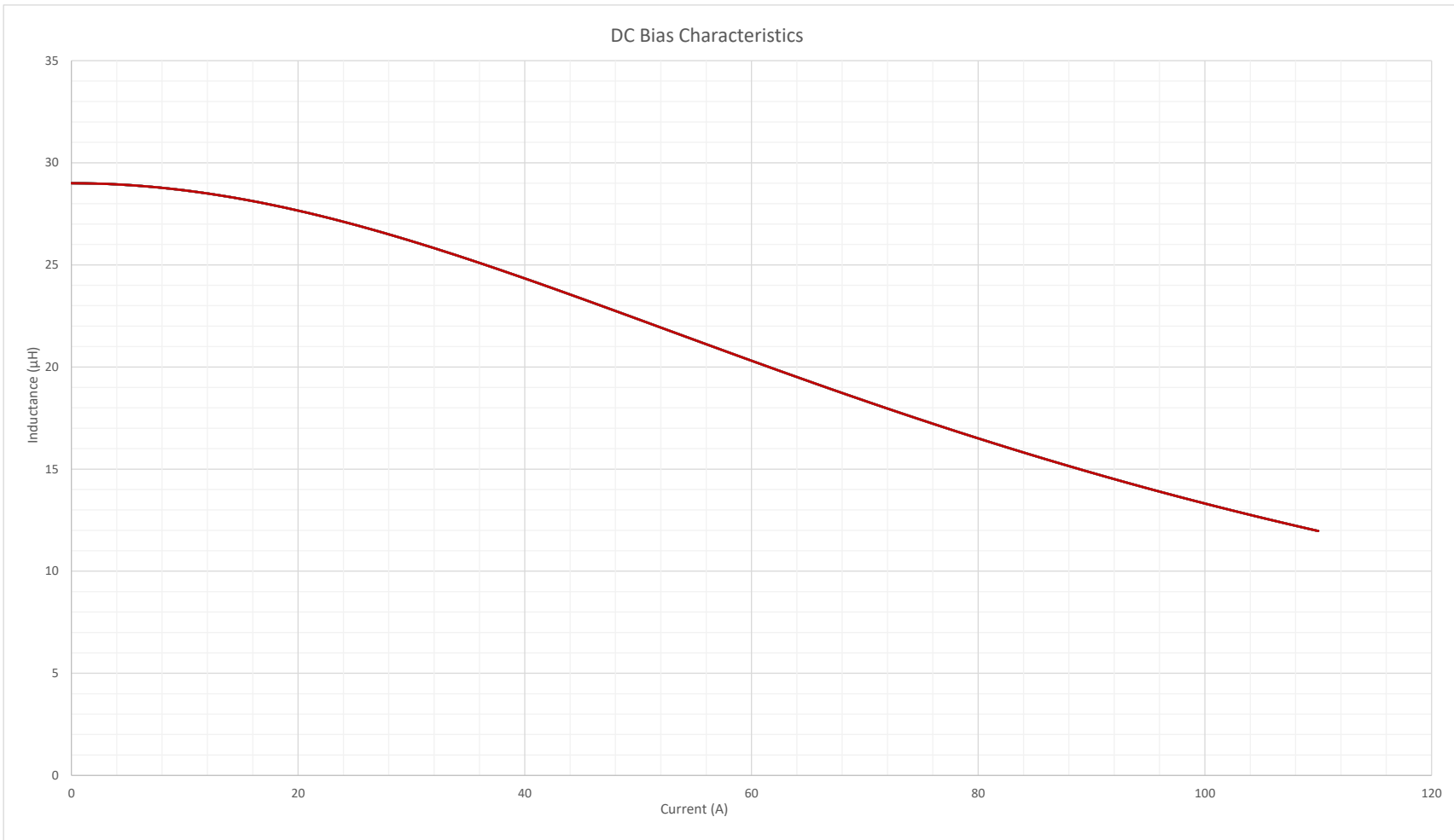
Tel: (310) 325-1043 Fax: (310) 325-1044

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	REV C
					HWIA4427-044A-290H	

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:	MIG	17-Mar-16	SIZE	Part Number	REV
	CHECKED BY:	KC	18-Mar-16	A		
SCALE: X:X					WEIGHT: 190 gms	SHEET: 2 OF 2

HWIA4427-044A-290H

C