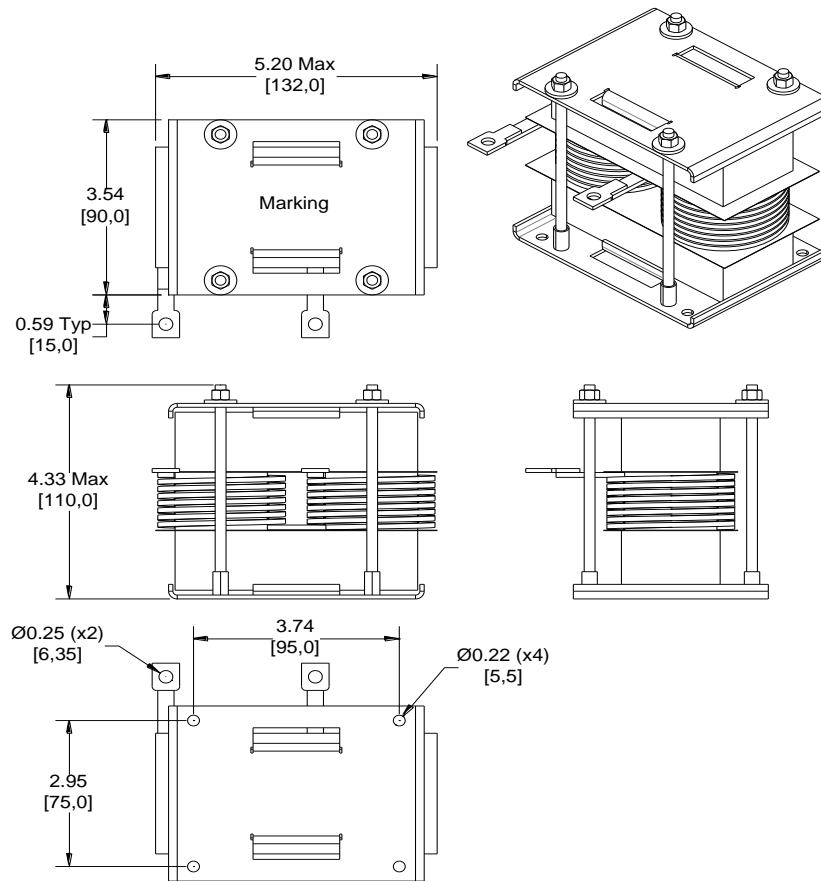


Rev	Description	By	Date
A	Released for production	AG	7-Oct-20

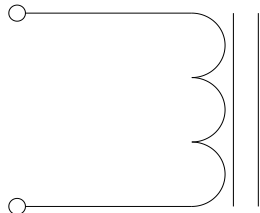
ELECTRICAL SPECIFICATIONS @ 25°C

L: 160μH±10% @ 10kHz, 1Vrms
 Isat: ΔL≤30% @ 105Adc
 DCR: 4.8mΩ Max
 Irms: ΔT≤40°C @ 83A
 Hipot: 2kVrms, 1mA Max, 10s (wdg to bracket)
 Operating Temp: -40°C to +150°C
 RoHS Compliant: Yes

DIMENSIONS



SCHEMATIC




MARKING

MPS
 HWI42P1-083A-161B_REV#
 Date Code

Dimensions: inch/mm

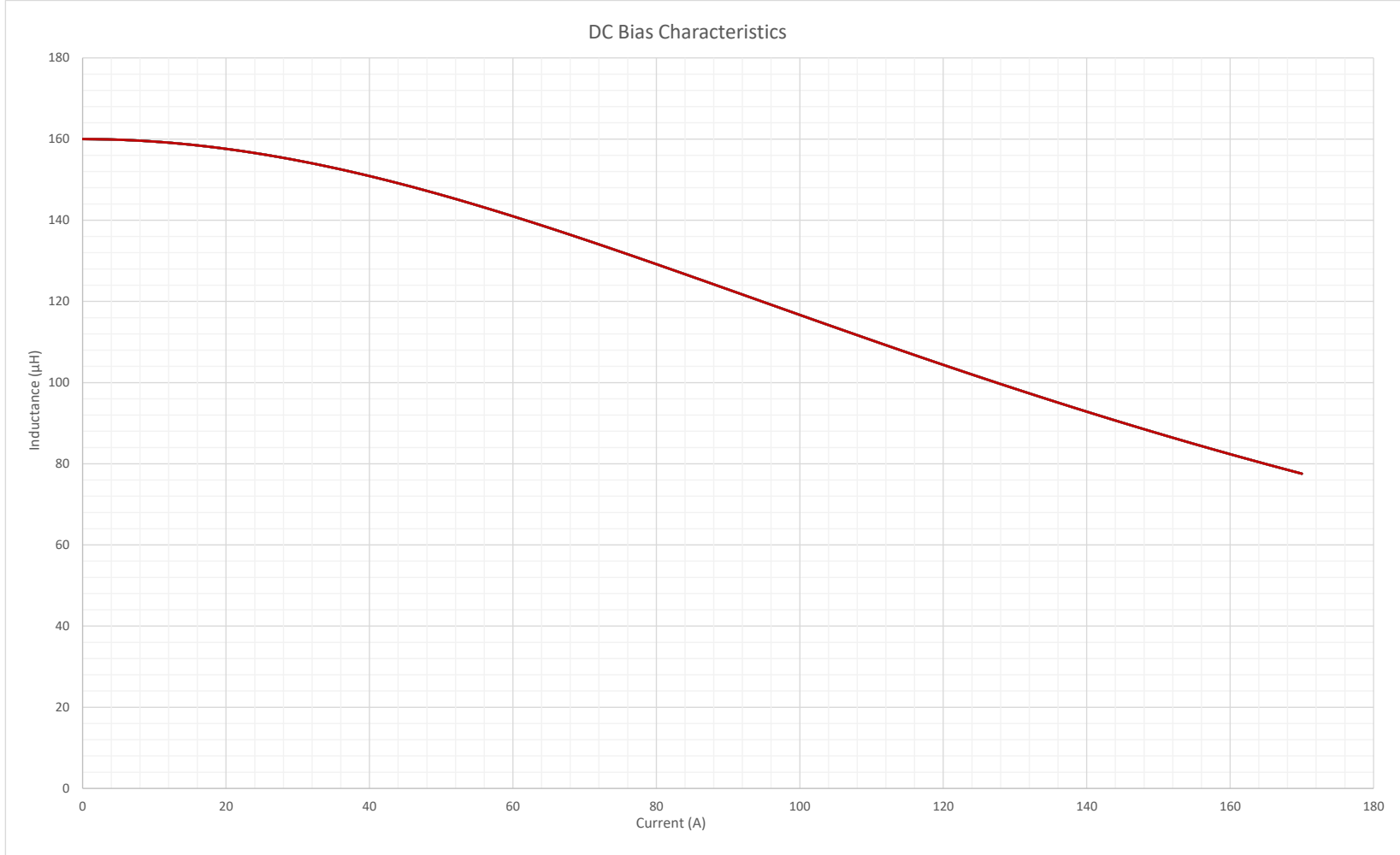
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Description		Power Inductor	
Part Number	HWI42P1-083A-161B		REV
A	WEIGHT: XX gms SHEET: 1 OF 2		A


Dimensions Unless otherwise specified .XX ± .010" [0,254mm] .XXX ± .005 [0,13mm]	DRAWN BY: CHECKED BY:	AG AY	7-Oct-20 8-Oct-20	SIZE A
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Rev	Description	By	Date
A	Released for production	AG	7-Oct-20



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Dimensions Unless otherwise specified .XX ± .010" [0,254mm] .XXX ± .005 [0,13mm]	DRAWN BY: CHECKED BY:	AG AY	7-Oct-20 8-Oct-20
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		MPS INDUSTRIES, INC. www.mpsind.com Tel: (310) 325-1043 Fax: (310) 325-1044	
Description			
Power Inductor			
Part Number		REV	
HWI42P1-083A-161B		A	
WEIGHT: XX gms		SHEET: 2 OF 2	