

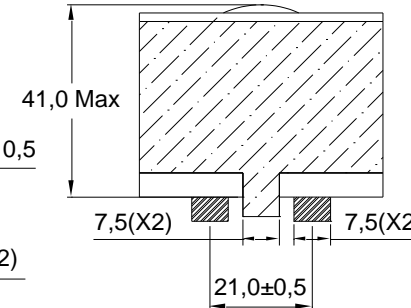
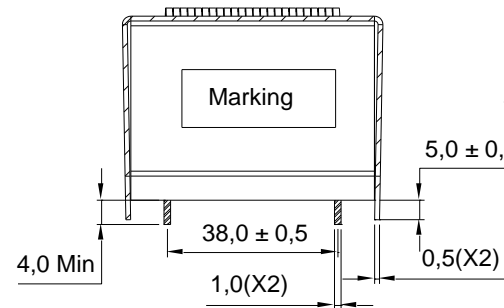
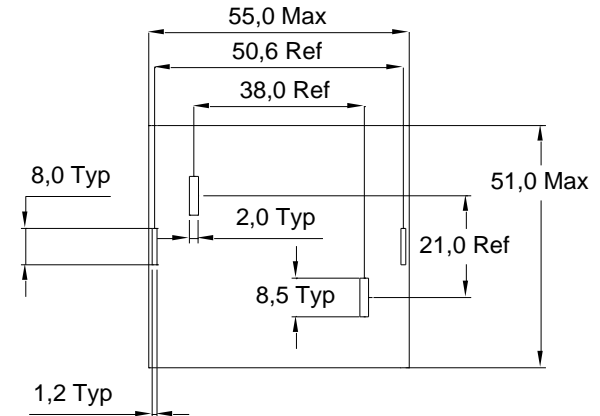
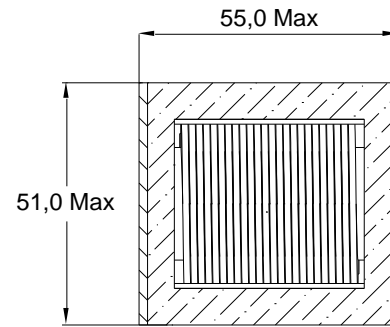
Rev	Description	By	Date
1	Preliminary	SO	7-Jul-23

**ELECTRICAL SPECIFICATIONS @ 25°C**

L: 160μH±15% @ 100kHz, 1Vrms  
 Isat: ΔL≤10% @ 22A  
 ΔL≤20% @ 32A  
 ΔL≤30% @ 42A  
 Irms: ΔT≤20°C @ 26.5A  
 ΔT≤40°C @ 40.5A  
 DCR: 9mΩ Max  
 SRF: 3.5MHz Typ  
 Hipot: 2kVdc, 1mA Max, 10s (wdg to case)  
 RoHS Compliant: Yes

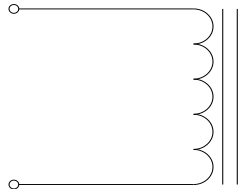
**DIMENSIONS**

**Recommended PCB Layout**



Dimensions: mm

**SCHEMATIC**



**MARKING**

MPS  
 HWI5252-040A-161V\_Rev#  
 Date Code

**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

<b>Dimensions</b> Unless otherwise specified .XX ± .010" [0,254mm] .XXX ± .005" [0,13mm]	DRAWN BY: CHECKED BY:	SO SO	16-Aug-23 16-Aug-23	SIZE <b>A</b>
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MPS INDUSTRIES, INC.

[www.mpsind.com](http://www.mpsind.com)

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

Description

**High Power Inductor**

Part Number

**HWI5252-040A-161V**

REV

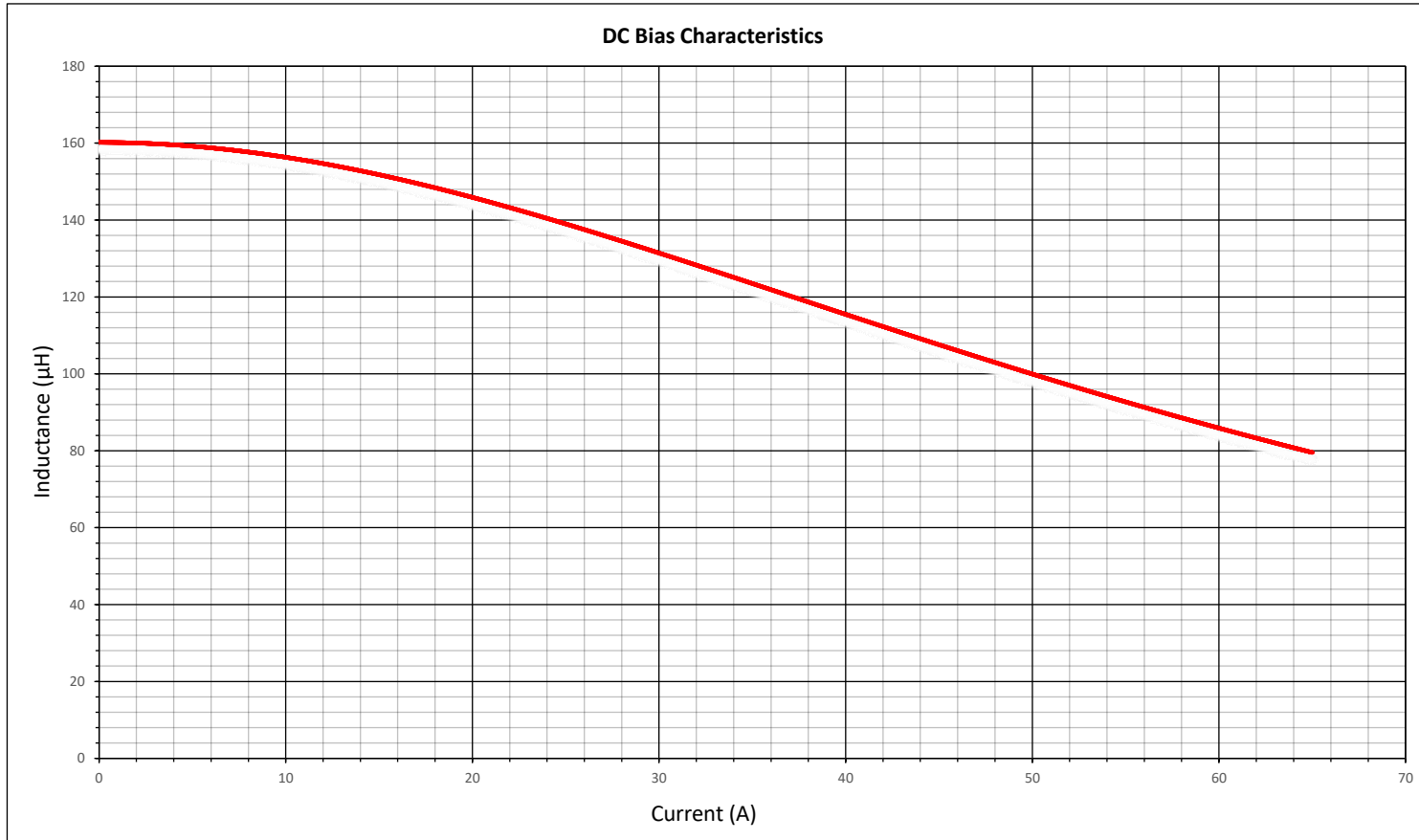
**1**

WEIGHT: xx gms

SHEET: 1 OF 2

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

**DC BIAS**



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**Dimensions**  
 Unless otherwise specified  
 .XX ± .010" [0,254mm]  
 .XXX ± .005" [0,13mm]

DRAWN BY:  
 CHECKED BY:

SO 16-Aug-23  
 SO 16-Aug-23

7/21/2017  
 7/21/2017

SIZE  
**A**

SCALE: X:X



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Description

**High Power Inductor**

Part Number

**HWI5252-040A-161V**

REV

**1**

WEIGHT: 800 gms

SHEET: 2 OF 2