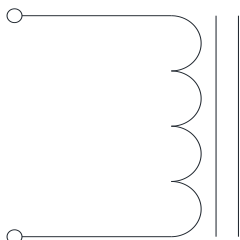


| Rev | Description | By | Date |
|-----|---|----|-----------|
| D | Changed lead length | KA | 8-Jul-19 |
| E | Corrected pin dimension and DC bias graph | AG | 21-Sep-20 |

ELECTRICAL SPECIFICATIONS @ 25°C

| | |
|-------------------|-------------------------------------|
| L: | 37μH±15% @ 10kHz, 1Vrms |
| Isat: | ΔL ≤ 10% @ 45A ΔL ≤ 30% @ 81A |
| Irms: | ΔT ≤ 20°C @ 26A ΔT ≤ 40°C @ 40 A |
| DCR: | 4.5mΩ Max |
| SRF: | 8.8Mhz Typ |
| Capacitance: | 8 pF Typ |
| Hipot: | 500Vdc, 1mA Max, 5s, wdg to core |
| Insulation Class: | Class H 180°C |
| RoHS Compliant: | Yes |

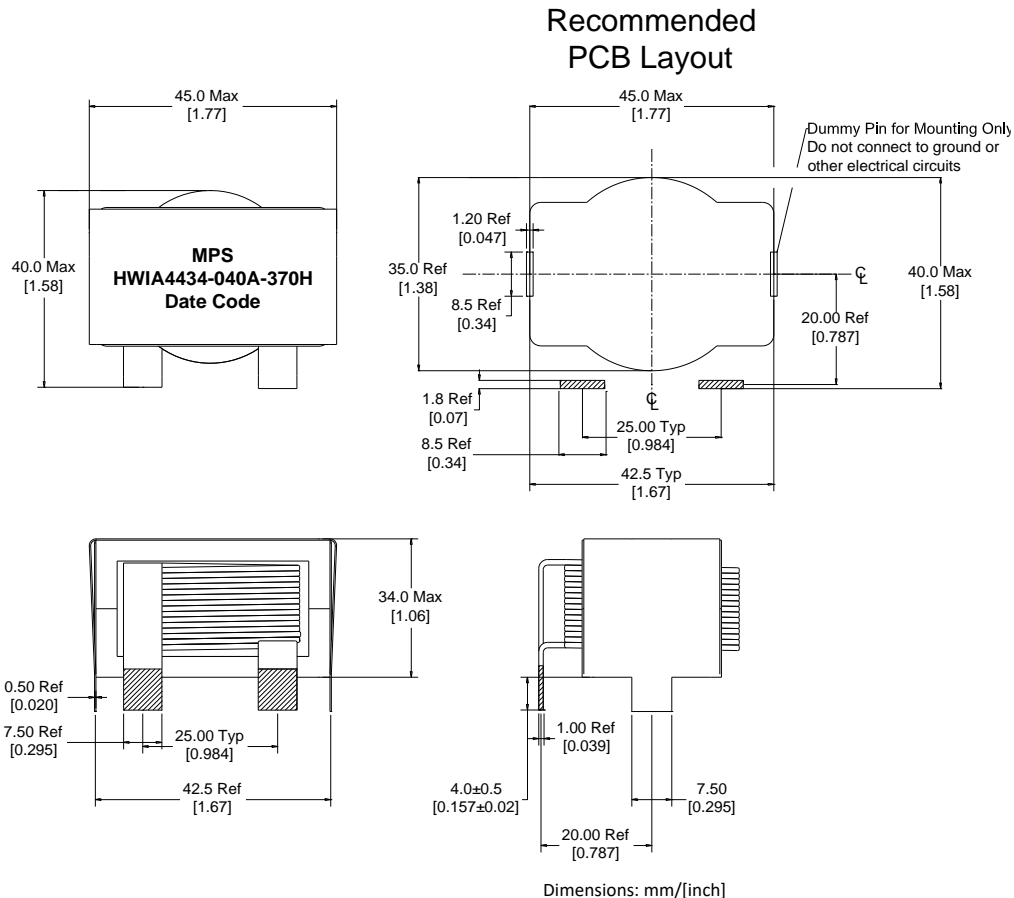
SCHEMATIC



MARKING

MPS
HWIA4434-040A-370H_REV#
Date Code

DIMENSIONS



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

| | | | | |
|---|--------------------------|-----------|------------------------|------------------|
| 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 |
|---|--------------------------|-----------|------------------------|------------------|



MPS INDUSTRIES, INC.

www.mpsind.com

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

Description

Helical Wound Inductor

Part Number

HWIA4434-040A-370H

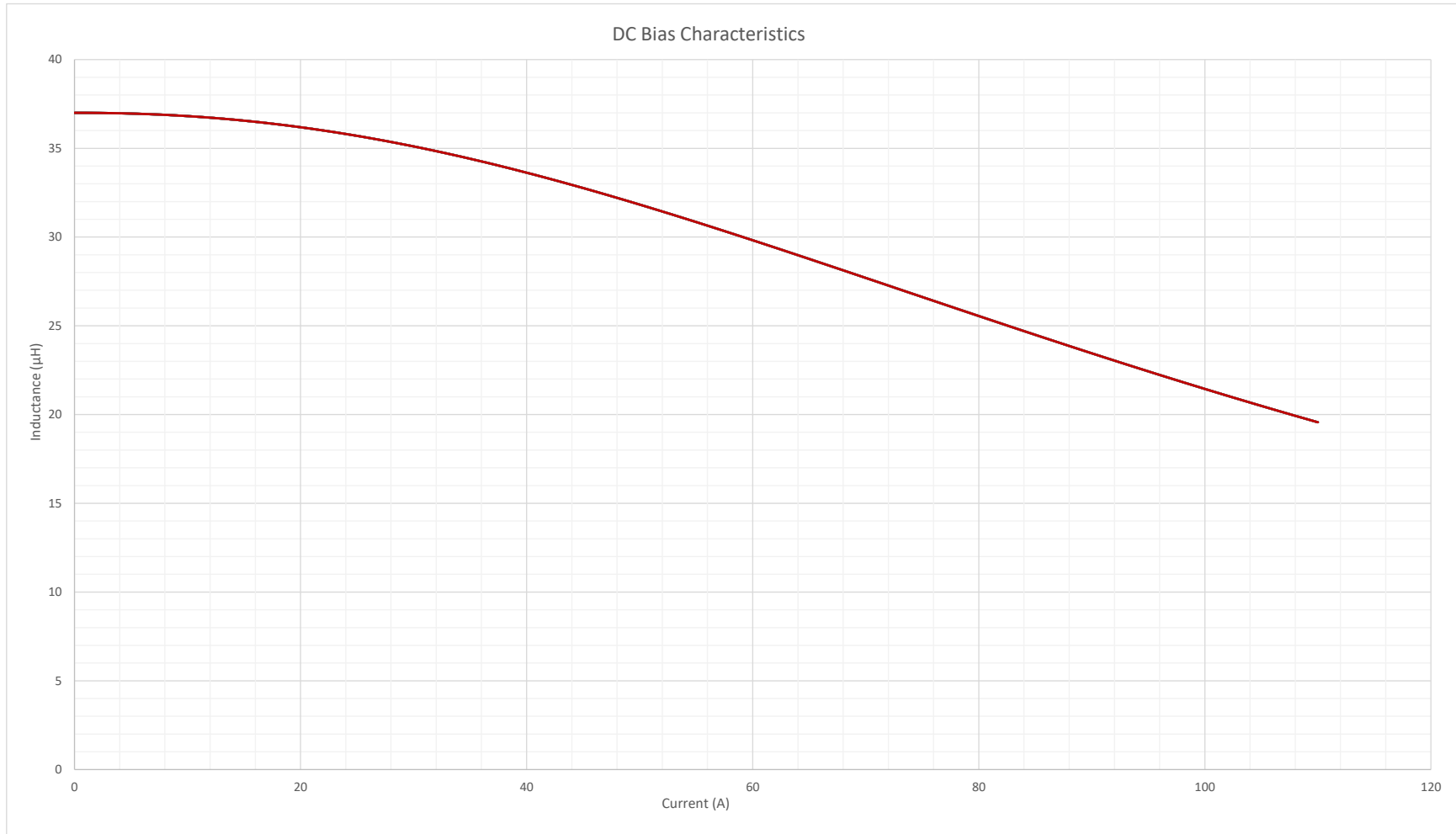
REV

E

WEIGHT: 250 gms

SHEET: 1 OF 2

| Rev | Description | By | Date |
|-----|---|----|-----------|
| D | Changed lead length | KA | 8-Jul-19 |
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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



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Description

Helical Wound Inductor

Part Number

HWIA4434-040A-370H

REV
E

SCALE: X:X

WEIGHT: 250 gms

SHEET: 2 OF 2