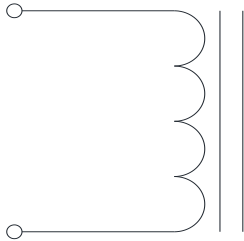


| Rev | Description | By | Date |
|-----|---|-----|-----------|
| B | Released for Production | MIG | 17-Mar-16 |
| C | Corrected pin dimension and DC bias graph | AG | 21-Sep-20 |

ELECTRICAL SPECIFICATIONS @ 25°C

| | |
|-------------------|------------------------------------|
| L: | 9.3μH±15% @ 10kHz, 1Vrms |
| Isat: | ΔL ≤ 10% @91A ΔL ≤ 30% @162A |
| Irms: | ΔT ≤ 20°C @ 52A ΔT ≤ 40°C @ 80A |
| DCR: | 1.1mΩ Max |
| Hipot: | 500Vdc, 1mA, 5s, wdg to core |
| Insulation Class: | Class H 180°C |
| RoHS Compliant: | Yes |

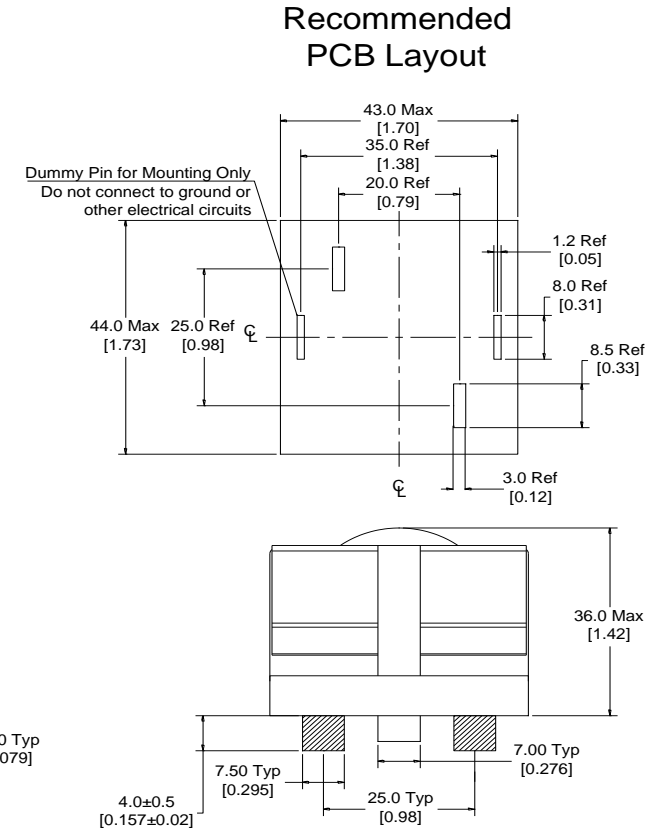
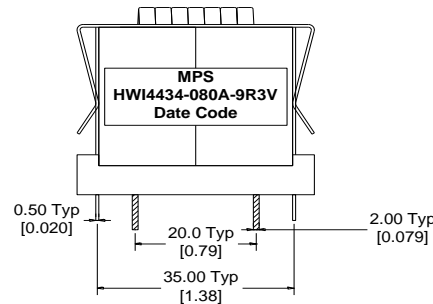
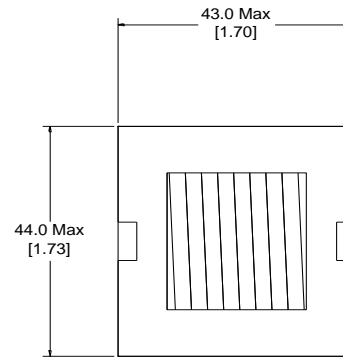
SCHEMATIC



MARKING

MPS
HWI4434-080A-9R3V_REV#
Date Code

DIMENSIONS



Dimensions: mm/[inch]

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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 | Part Number HWI4434-080A-9R3V | REV C |
| WEIGHT: 260 gms | | | | | | SHEET: 1 OF 2 | |



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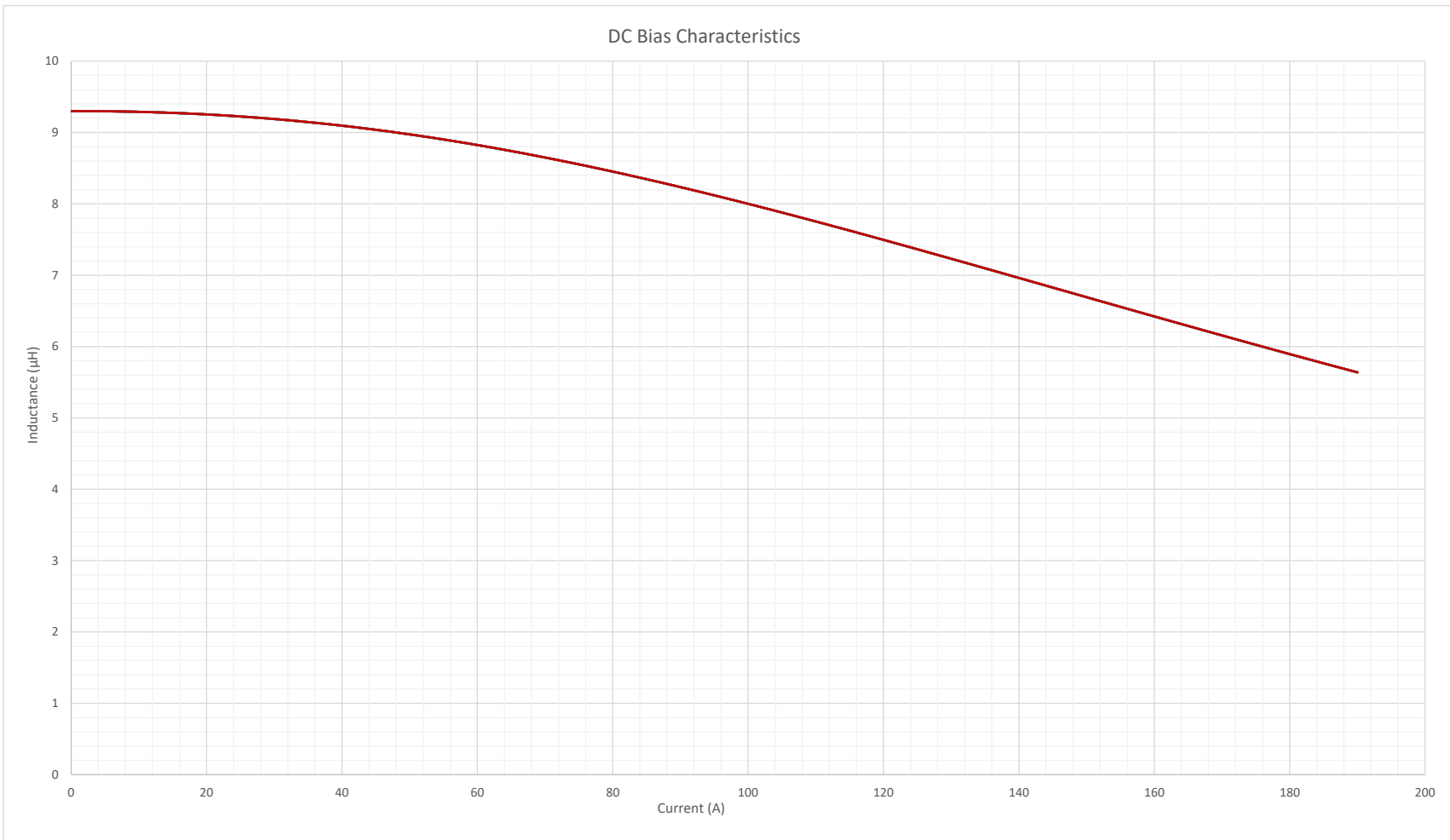
www.mpsind.com

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

Description

Helical Wound Inductor

| Rev | Description | By | Date |
|-----|---|-----|-----------|
| B | Released for Production | MIG | 17-Mar-16 |
| C | Corrected pin dimension and DC bias graph | AG | 21-Sep-20 |



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| | | | |
|-------------|--------------------------|-------------------------------|----------|
| Description | | Helical Wound Inductor | |
| Part Number | HWI4434-080A-9R3V | | REV |
| | | | C |
| SCALE: X:X | WEIGHT: 260 gms | SHEET: 2 OF 2 | |

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