

| Rev | Description | By | Date |
|-----|---|-----|-----------|
| 1 | Preliminary | MIG | 31-May-16 |
| A | Updated electrical & modify part number | KLC | 25-Aug-16 |

ELECTRICAL SPECIFICATIONS @ 25°C

L: 12.0 μ H \pm 15% @ 100kHz, 1.0 Vrms
 Isat: Δ L \leq 10% @ 86 A
 Δ L \leq 20% @ > 120 A
 Δ L \leq 30% @ > 160 A

Irms: Δ T \leq 20°C @ 30 A
 Δ T \leq 40°C @ 45 A

DCR: 2.6 m Ω Nom ; 3.4 m Ω Max

SRF (TYP) 25 MHz

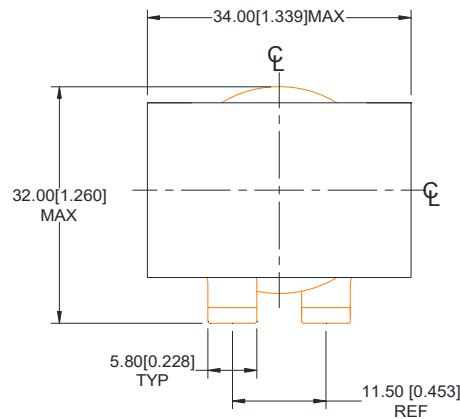
Capacitance (TYP) 3.40 pF

Hipot: 1000 Vdc, 1 mA, 5 sec, wdg to core

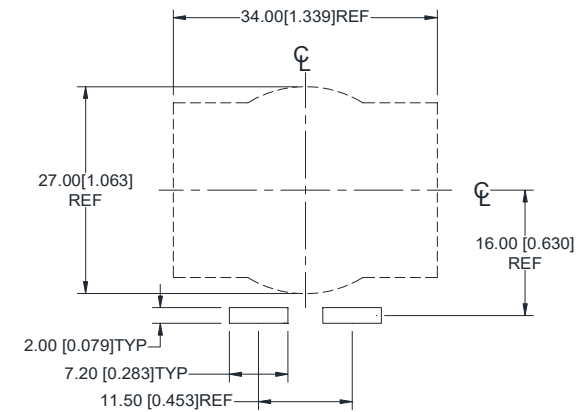
Insulation Class: Class H 180 °C

RoHS Compliant: Yes

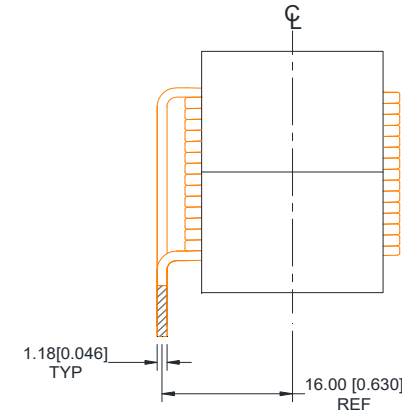
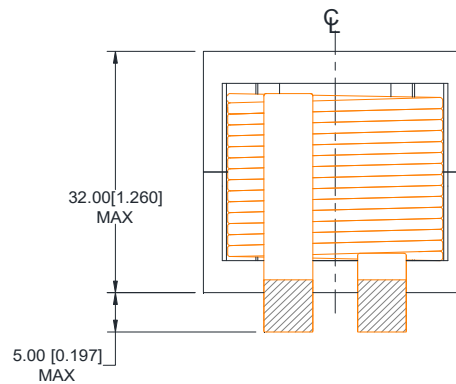
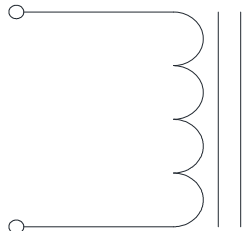
Dimensions



Recommended PCB Layout



SCHEMATIC



MARKING

MPS
 HWI3432-045A-120H
 Rev & Date Code

Notes:
 Previous PN: HWI3432-041A-130H_1

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 or sale of apparatus without express written authorization

| | | | | |
|---|--------------------------|-----------|-----------------------|------------------|
| Dimensions: mm[inch] Unless otherwise specified .XX \pm 0.51 [0.020"] .XXX \pm 0.254 [0.010"] | DRAWN BY: CHECKED BY: | MIG AG | 31-May-16 6-Jul-16 | SIZE A |
|---|--------------------------|-----------|-----------------------|------------------|



MPS INDUSTRIES, INC.

www.mpsind.com

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

Description

Helical Wound Inductor

Part Number

HWI3432-045A-120H

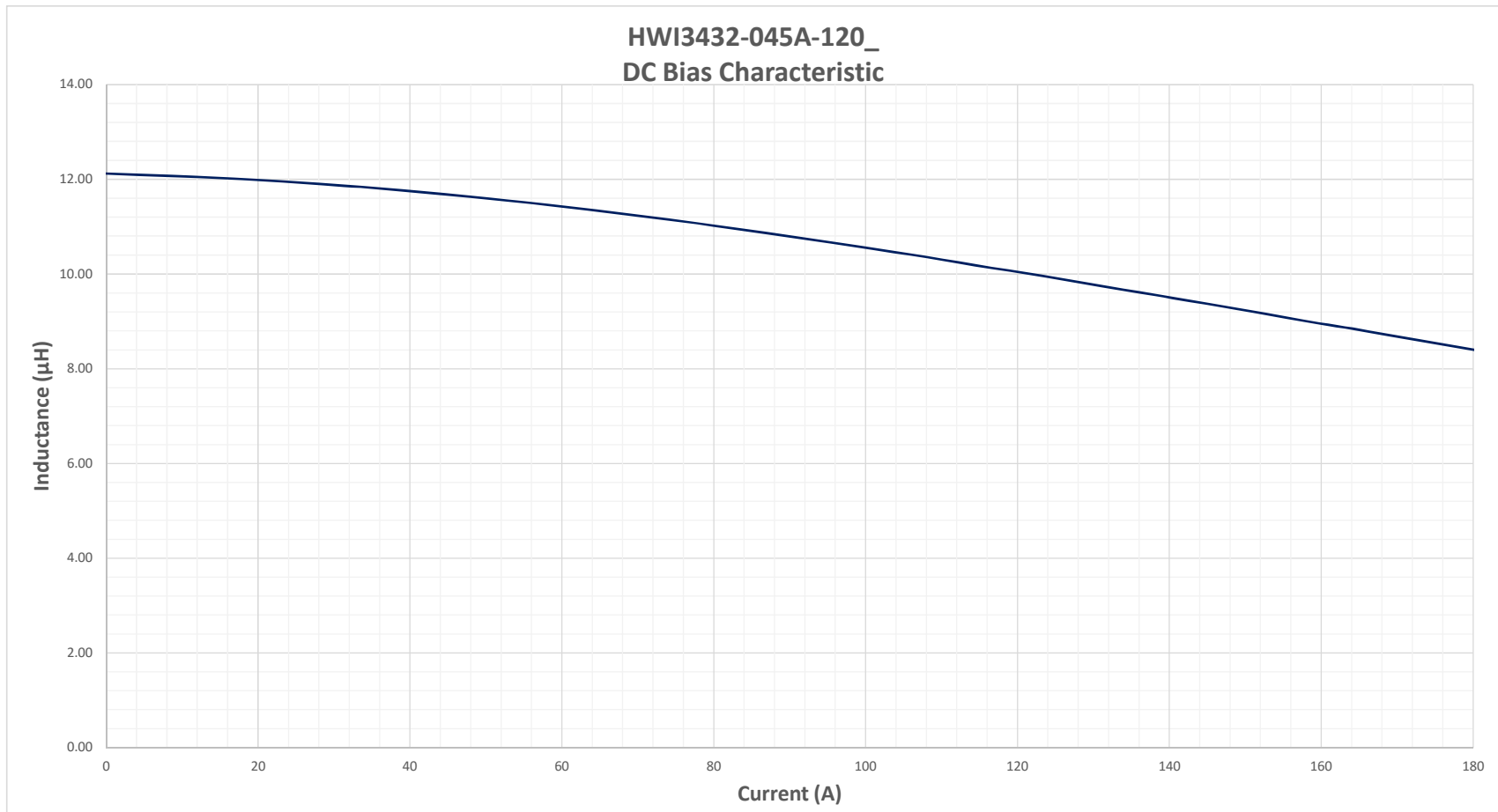
REV

A

WEIGHT: 138 gram

SHEET: 1 OF 2

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 Unless otherwise specified
 .XX ± 0.51[0.020"]
 .XXX ± 0.254[0.010"]

DRAWN BY:
 CHECKED BY:

MIG
 AG

31-May-16
 6-Jul-16

SIZE
A

Part Number

HWI3432-045A-120H

SHEET: 2 OF 2

REV
A



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