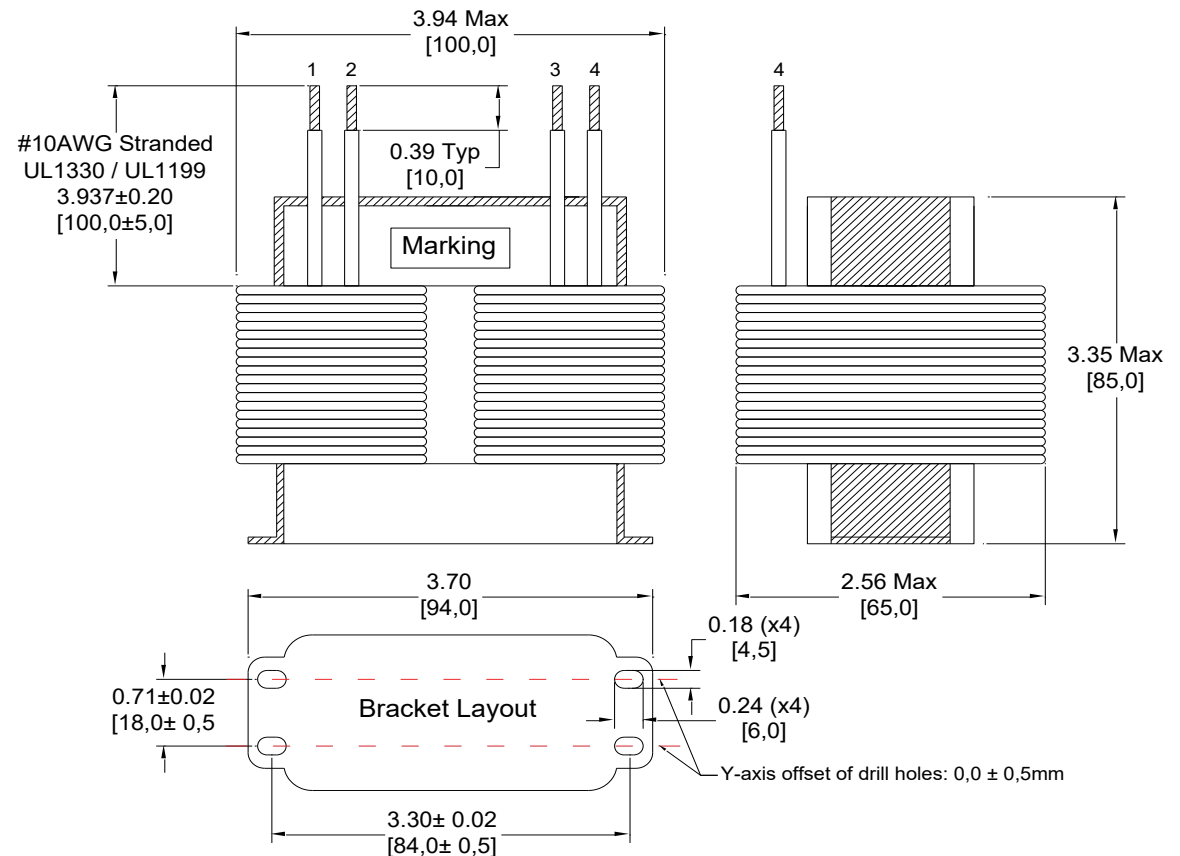


| Rev | Description | By | Date      |
|-----|-------------|----|-----------|
| 1   | Preliminary | SO | 27-May-25 |

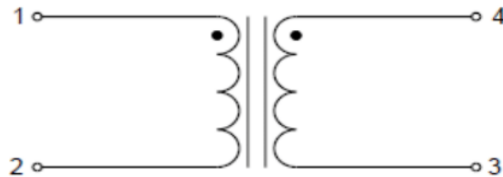
## ELECTRICAL SPECIFICATIONS @ 25°C

|                   |                            |
|-------------------|----------------------------|
| L(1-2//3-4):      | 882.0μH±15% @ 10kHz, 1Vrms |
| Isat(1-2//3-4):   | ΔL≤10% @ 19Adc             |
|                   | ΔL≤20% @ 28Adc             |
|                   | ΔL≤30% @ 36Adc             |
| Irms(1-2//3-4):   | ΔT≤40°C @ 22.5Adc          |
|                   | ΔT≤60°C @ 28.5Adc          |
| DCR(1-2//3-4):    | 19mΩ Max                   |
| Insulation Class: | Class H 180°C Min          |
| RoHS Compliant:   | Yes                        |

## DIMENSIONS



## SCHEMATIC



**Note:** Connect coils in parallel for a full load operation

## MARKING

MPS  
PX1391-881\_Rev  
Date Code

Dimensions: inch/[mm]

### Notice of Proprietary Property

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|                                                                                                   |                          |          |                       |                  |
|---------------------------------------------------------------------------------------------------|--------------------------|----------|-----------------------|------------------|
| <b>Dimensions</b><br>Unless otherwise specified<br>.XX ± .010" [0,254mm]<br>.XXX ± .005" [0,13mm] | DRAWN BY:<br>CHECKED BY: | SO<br>SO | 3-Mar-25<br>28-May-25 | SIZE<br><b>A</b> |
|---------------------------------------------------------------------------------------------------|--------------------------|----------|-----------------------|------------------|



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

Description

**Power Inductor**

Part Number

**PX1391-881**

REV

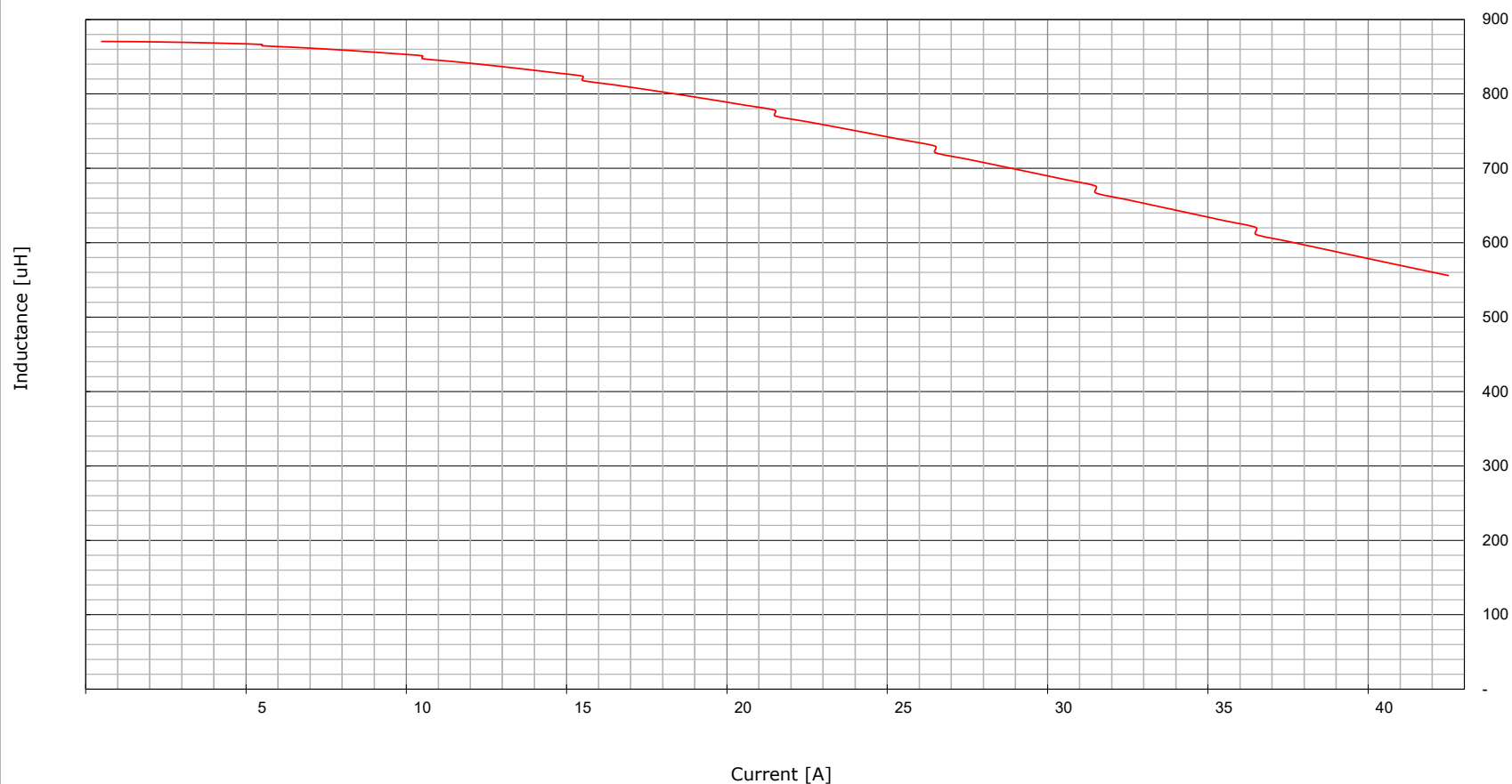
**1**

WEIGHT: XX gms

SHEET: 1 OF 2

| Rev | Description | By | Date      |
|-----|-------------|----|-----------|
| 1   | Preliminary | SO | 27-May-25 |

### DC Bias Characteristics



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|                                                                                                                               |             |    |           |      |             |                |
|-------------------------------------------------------------------------------------------------------------------------------|-------------|----|-----------|------|-------------|----------------|
| <div>Dimensions</div> <div>Unless otherwise specified</div> <div>.XX ± .010" [0,254mm]</div> <div>.XXX ± .005" [0,13mm]</div> | DRAWN BY:   | SO | 3-Mar-25  | SIZE | Part Number | REV            |
|                                                                                                                               | CHECKED BY: | SO | 28-May-25 | A    | PX1391-881  | 1              |
|                                                                                                                               |             |    |           |      | SCALE: X:X  | WEIGHT: XX gms |



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