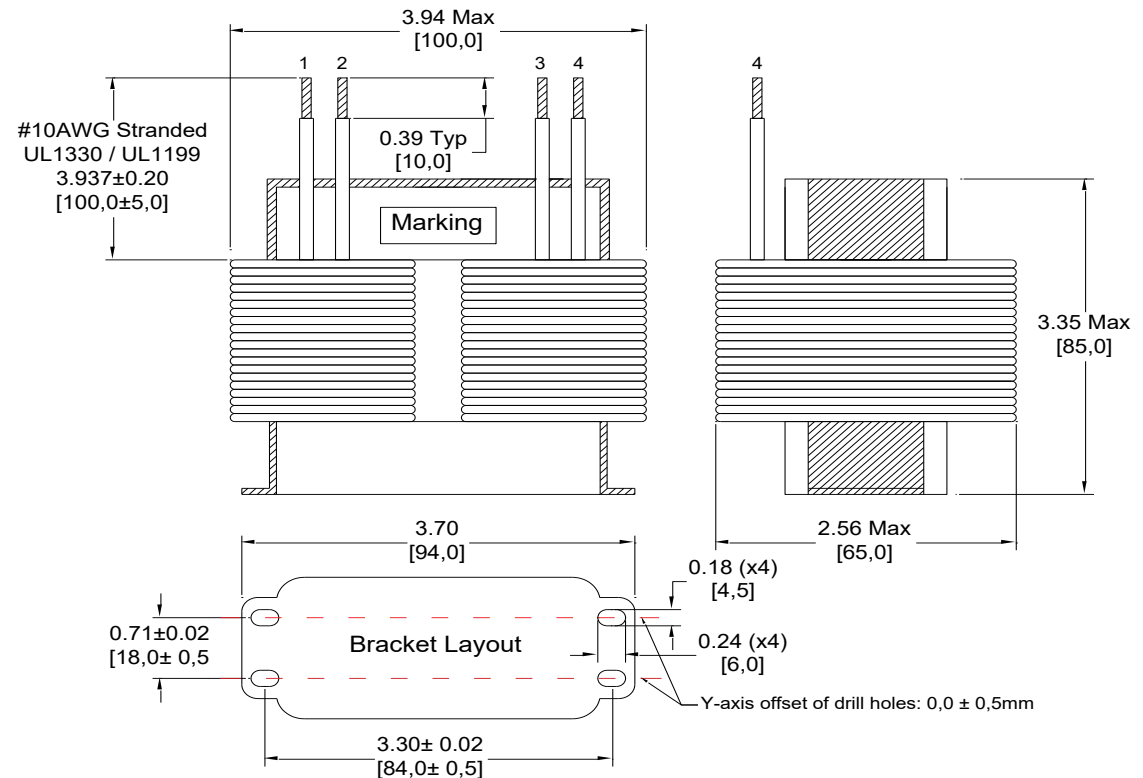


Rev	Description	By	Date
1	Preliminary	SO	18-Jun-25

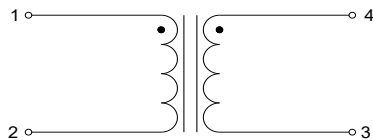
ELECTRICAL SPECIFICATIONS @ 25°C

L(1-3 with 2-4 shorted):	1729.0μH±15% @ 10kHz, 1Vrms
Isat(1-3 with 2-4 shorted):	ΔL≤10% @ 13Adc
	ΔL≤20% @ 20Adc
	ΔL≤30% @ 26Adc
Irms(1-3 with 2-4 shorted):	ΔT≤40°C @ 21Adc
	ΔT≤60°C @ 27Adc
DCR(1-3 with 2-4 shorted):	44.0mΩ Max
Insulation Class:	Class H 180°C Min
RoHS Compliant:	Yes

DIMENSIONS



SCHEMATIC



Note: Connect coils in series for a full load operation

MARKING

MPS
PX1391-172_Rev
Date Code

Dimensions: inch/[mm]

Notice of Proprietary Property

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Dimensions Unless otherwise specified .XX ± .010" [0,254mm] .XXX ± .005" [0,13mm]	DRAWN BY: CHECKED BY:	SO SO	18-Jun-25 18-Jun-25	SIZE A	Description Power Inductor	REV 1
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WEIGHT: XX gms

SHEET: 1 OF 2



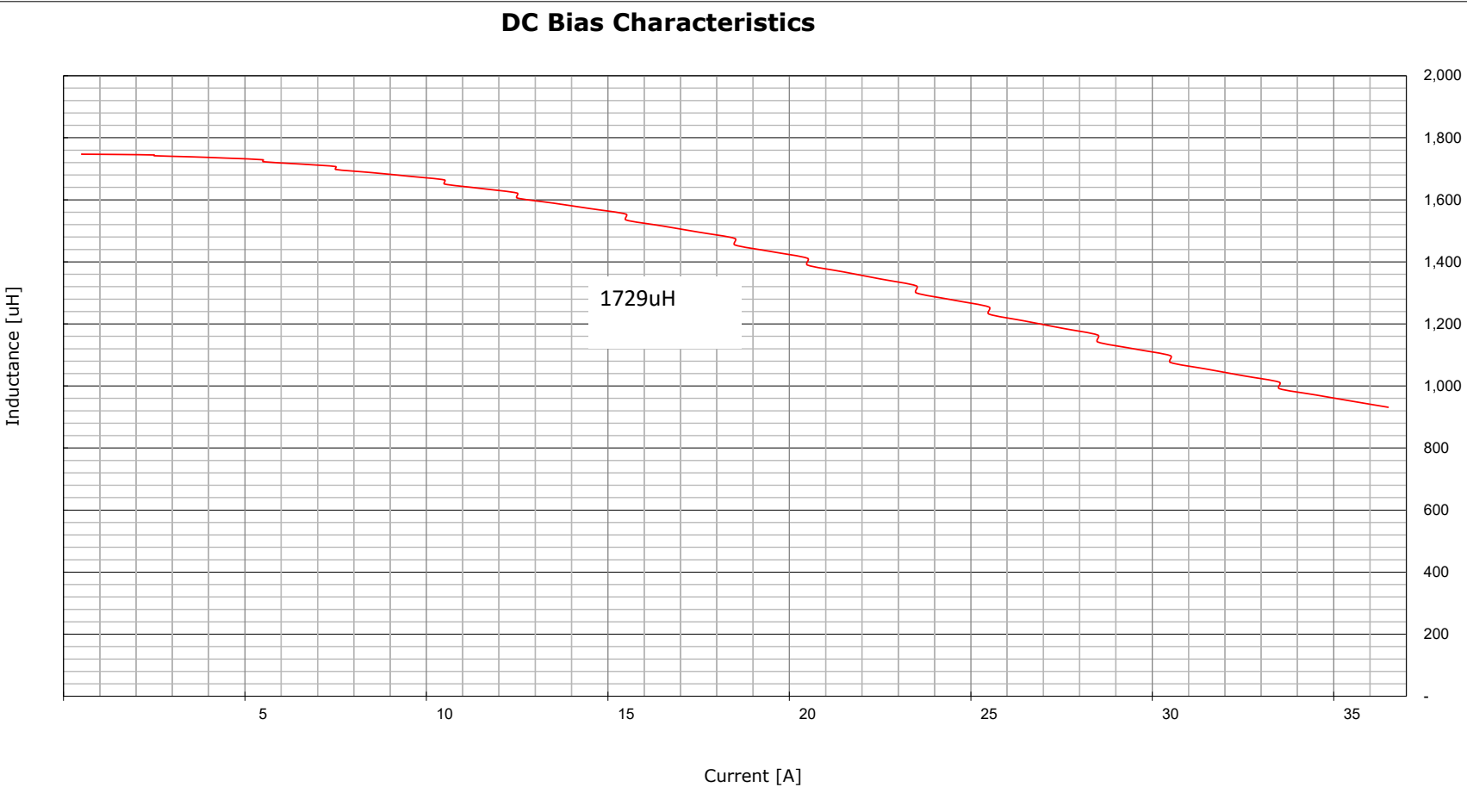
MPS INDUSTRIES, INC.

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Rev	Description	By	Date
1	Preliminary	SO	18-Jun-25

DC Bias Characteristics



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Dimensions Unless otherwise specified .XX ± .010" [0,254mm] .XXX ± .005" [0,13mm]	DRAWN BY:	SO	18-Jun-25	SIZE	Part Number			REV
	CHECKED BY:	SO	18-Jun-25	A	PX1391-172			1
					SCALE: X:X		WEIGHT: XX gms	SHEET: 2 OF 2



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Description

Power Inductor

1