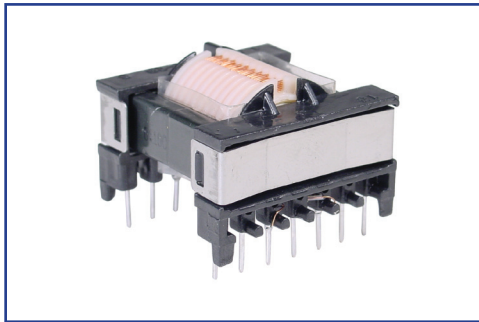


ISOLATED FLYBACK TRANSFORMERS



P3800 SERIES



- Isolated flyback transformers with high output voltage
- Ideal for use in medical applications
- Input: 12-30Vdc, Output: 1KV - 2KV
- Isolation: 4000 Vdc (primary and core to secondary)
- Operating Temperature: -40°C to +85°C
- RoHS Compliant Product
- Custom Design Available

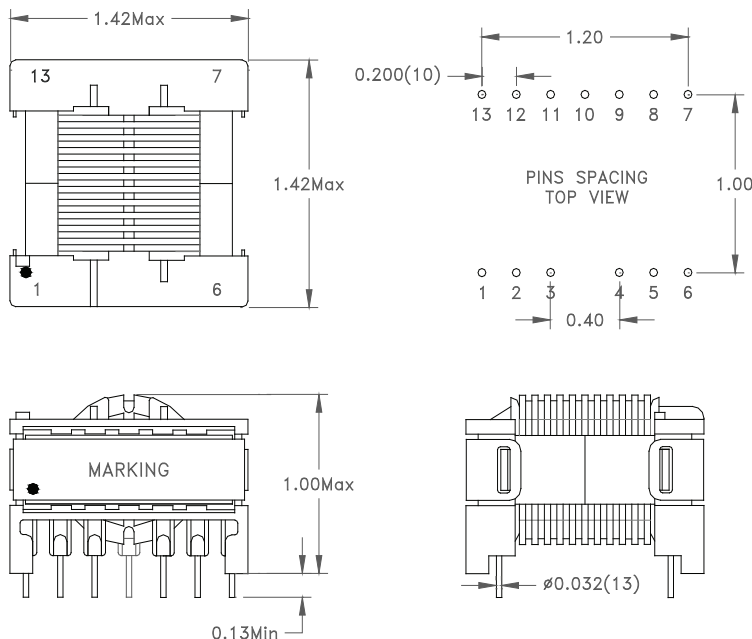
ELECTRICAL PARAMETERS @25°C

Part Number	Power Output	Input Voltage	Switching Frequency	Primary OCL	Primary DCR	Turns Ratio	Secondary DCR
P3800-	(W)	(Vdc)	(KHz)	(4-3) ($\mu\text{H} \pm 10\%$)	(4-3) (m Ω Max)	(Pri : Sec) ($\pm 3\%$)	(8-12) (Ω Max)
1	50	12	50	6	8	1 : 100	130
2	70	18	60	8	10	1 : 70	90
3	80	18	80	5	8	1 : 80	42
4	100	24	80	8	10	1 : 60	30
5	150	30	100	6	10	1 : 60	30

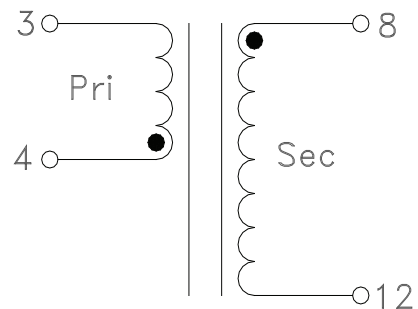
NOTES:

- Primary OCL (4-3) measured at 10KHz, 0.1Vrms
- Hi-pot: 4000Vdc, 0.5mA, 5s (Pri and Core to Sec), 500Vdc, 0.5mA, 5s (Pri to Core)

DIMENSIONS (mm)



SCHEMATIC



Dimensions

Unless otherwise specified, all tolerances are:

inch: .XX : ± 0.015 .XXX : ± 0.004
mm: X.X : ± 0.38 X.XX : ± 0.10

Product performance is limited to specified parameters. Data is subject to change without prior notice.

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