Premier Magnetics Inc.

"INNOVATORS IN MAGNETICS TECHNOLOGY"

ISDN-U
THRU HOLE & SMD
ISOLATION TRANSFORMERS

- ❶ Matched to Leading Transceiver ICs.
- ❷ 1500 & 3000Vrms Isolation Voltage
- ❸ Industry Leading SMD Package Designs
- ❹ IEC60950 2.5 & 5.0mm Creepage Versions

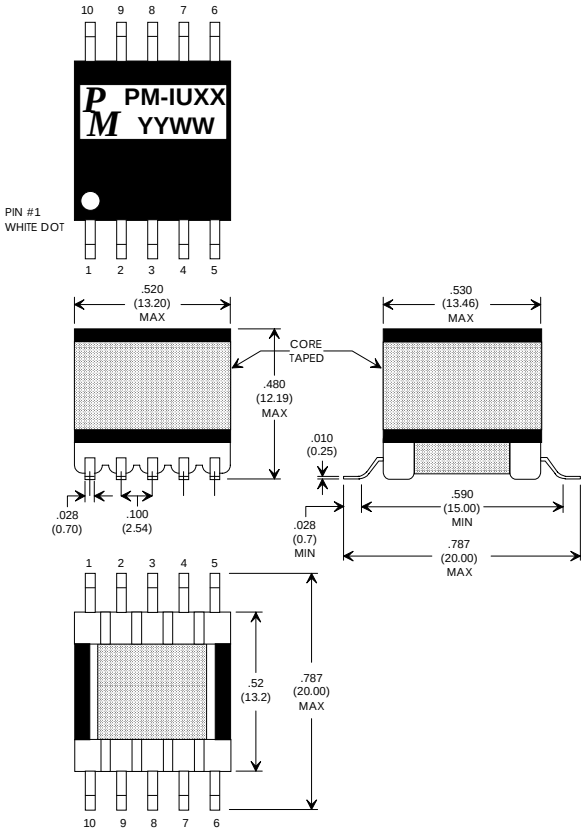
ELECTRICAL SPECIFICATIONS AT 25°C - OPERATING TEMPERATURE RANGE 0°C TO +70°C

CLICK ON THE RESPECTIVE PART NUMBER TO DISPLAY A DETAIL DATA SHEET

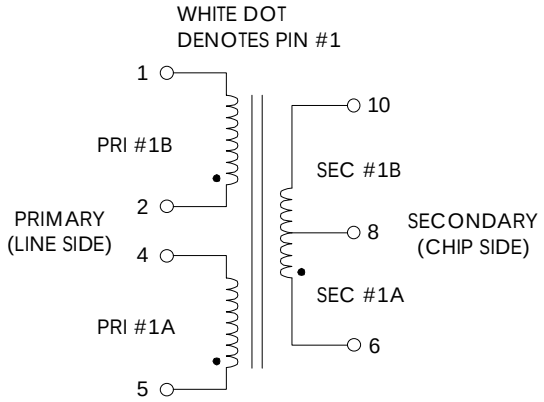
PART NUMBER	TURNS RATIO (Chip:Line) SEC:PRI ± 3%	PRIMARY (Line Side) PINS	PRIMARY (Line Side) OCL mH	PRIMARY (Line Side) DCR Ω MAX	PRI DC Bias mA MAX	SECONDARY (Chip Side) PINS	SECONDARY (Chip Side) DCR Ω MAX	HI-POT Vrms MIN	Package & Schematic
PM-IU04	1:1.25	1-4	26-30	6.0	50	6-8	12.0	1500	1811 SMD
PMI-U05	1:1.25	1-5	26-33	8.0	60	9-7	12.0	1500	TS2311
PM-IU06	1:1.50	4-2	27 +5%	10.0	60	9-7	1.7	1500	TS2311
PM-IU07[2]	1:1.25	1-5	26-33	8.0	60	9-7	12.0	3000	TS2318
PM-IU10[1]	1:1.50	5-1	78-88	12.5	90	7-10	13.5	3000	EPC25
PM-IU15	1:1.25	5-1	26-30	15.0	40	6-10	7.5	1500	EP13 SMD
PM-IU16	1:1.50	5-1	26-30	15.0	40	6-10	7.5	1500	EP13 SMD
PM-IU25	1:1.25	6-1	26-33	15.0	65	7-12	7.5	1500	EPC19 SMD
PM-IU26	1:1.50	6-1	26-33	15.0	65	7-12	7.5	1500	EPC19 SMD

NOTES:
PRIMARY (LINE SIDE) LONGITUDINAL BALANCE:1KHZ TO 4KHZ -58db MINIMUM ; 4KHZ TO 160KHZ -60db MINIMUM
1) PM-IU10 & PM-IU11 DESIGNED FOR > 5.0mm Creepage & Clearance
2) PM-IU07 DESIGNED FOR > 2.5mm Creepage & Clearance

EP13 SMD MECHANICAL

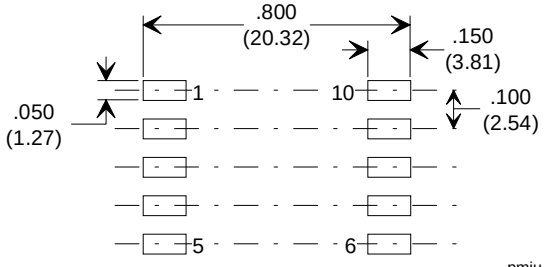


PM-IU15 & PM-IU16



NOTE:
1) PRIMARY CENTER TAP IS FORMED BY CONNECTING PIN#2 TO PIN#4

RECOMMENDED P.C.B. LAYOUT
Dimensions in inches (mm)



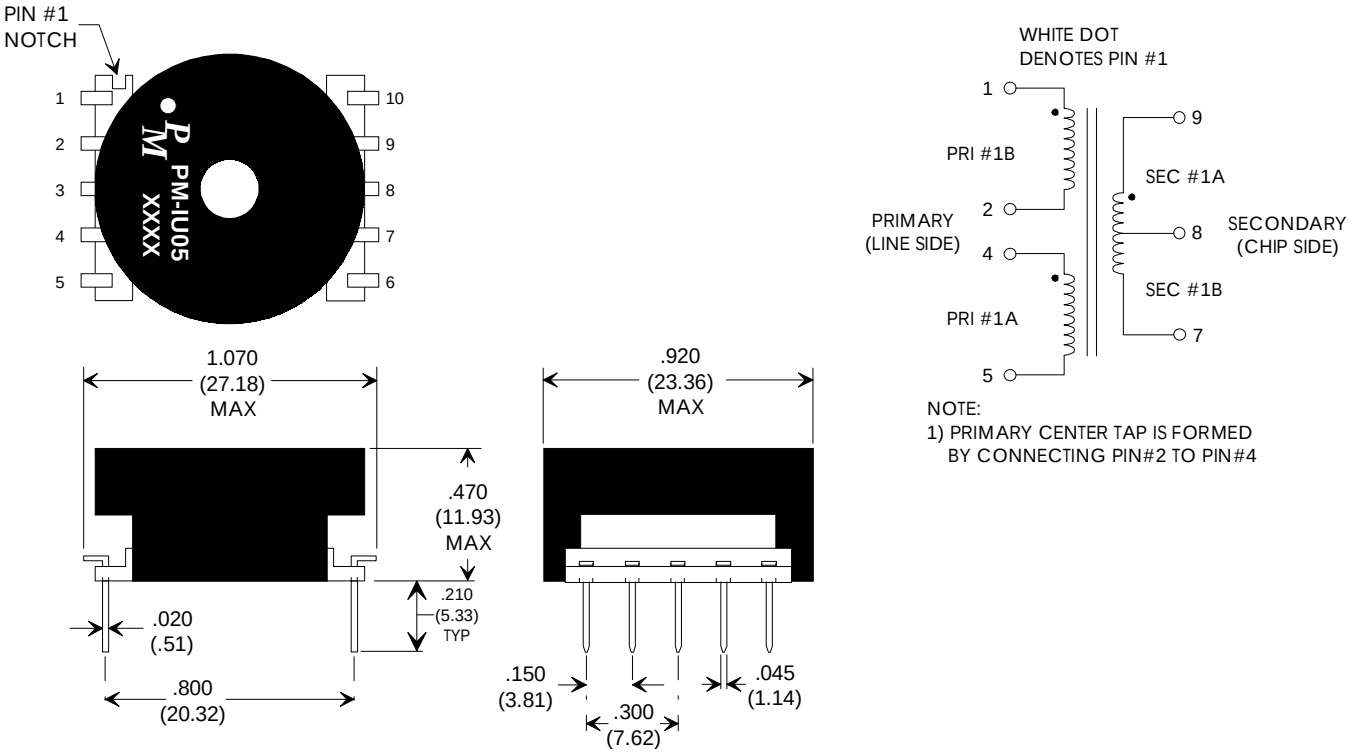
Specifications subject to change without notice.

pmiu 06/99

20381 BARENTS SEA CIRCLE, LAKE FOREST, CA 92630 • TEL: (949) 452-0511 • FAX: (949) 452-0512 • http://www.premiermag.com

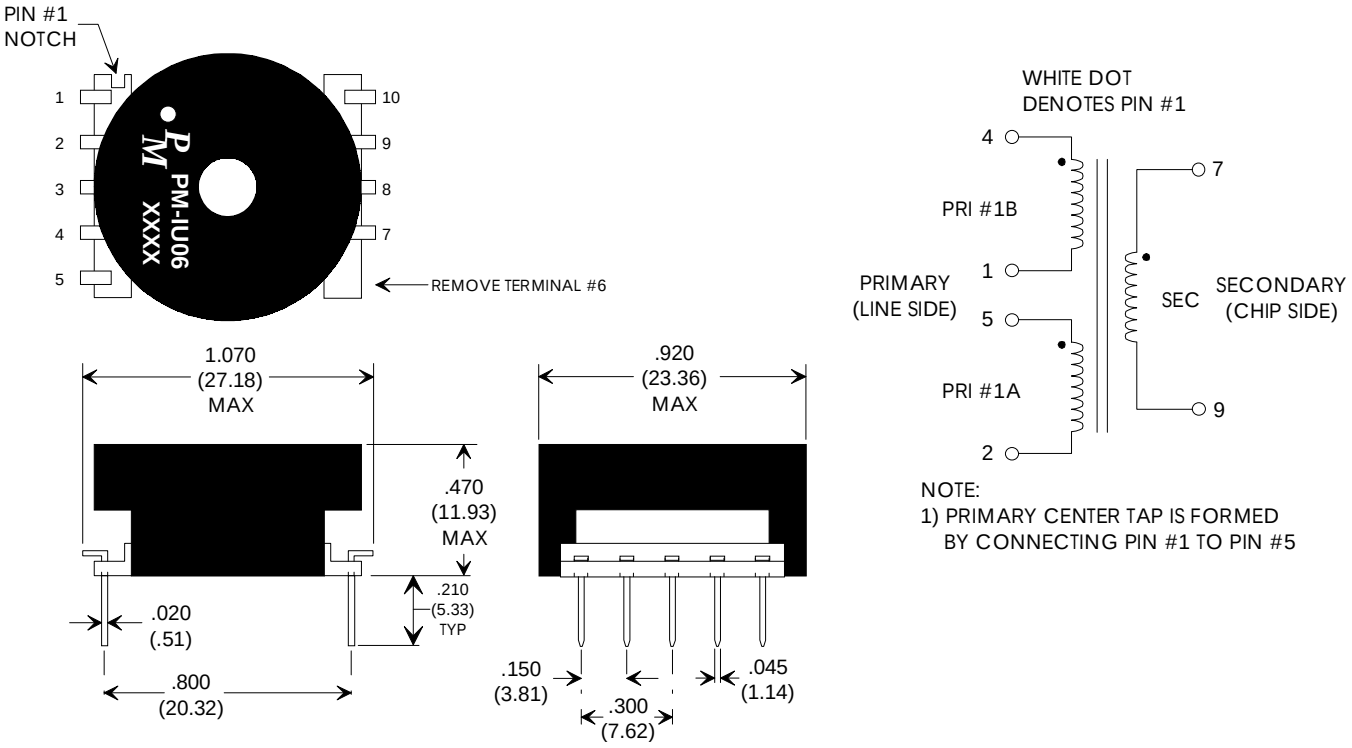
ISDN-U
THRU HOLE & SMD
ISOLATION TRANSFORMERS

TS2311 MECHANICAL — PM-IU05



NOTE:
1) PRIMARY CENTER TAP IS FORMED BY CONNECTING PIN#2 TO PIN#4

TS2311 MECHANICAL — PM-IU06



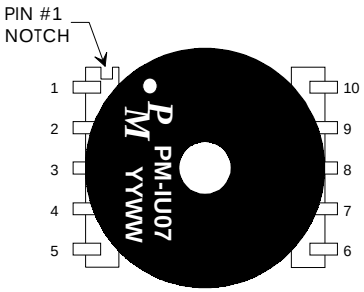
NOTE:
1) PRIMARY CENTER TAP IS FORMED BY CONNECTING PIN #1 TO PIN #5

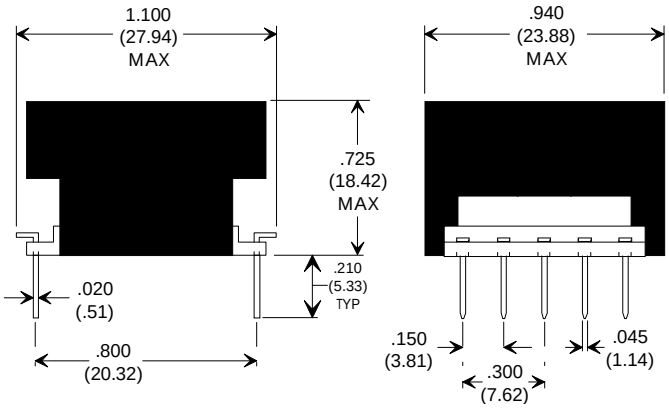
Specifications subject to change without notice.

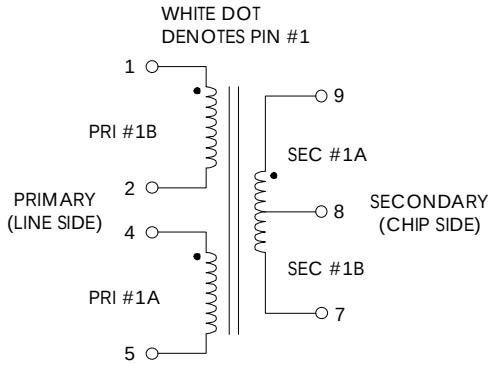
pmiu 06/99

ISDN-U
THRU HOLE & SMD
ISOLATION TRANSFORMERS

TS2318 MECHANICAL — PM-IU07



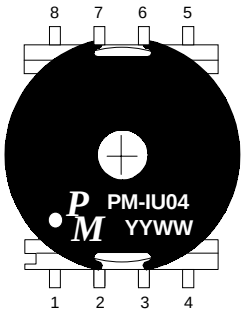


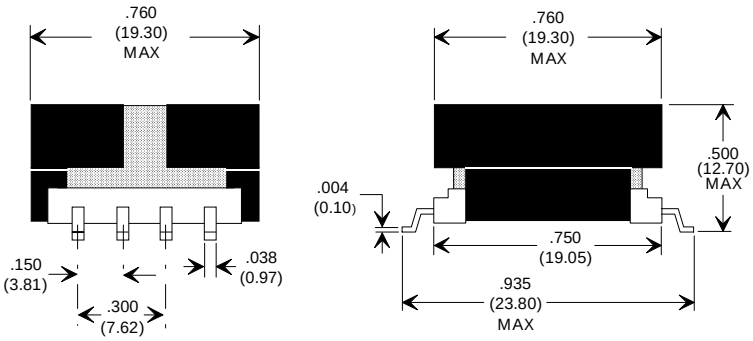


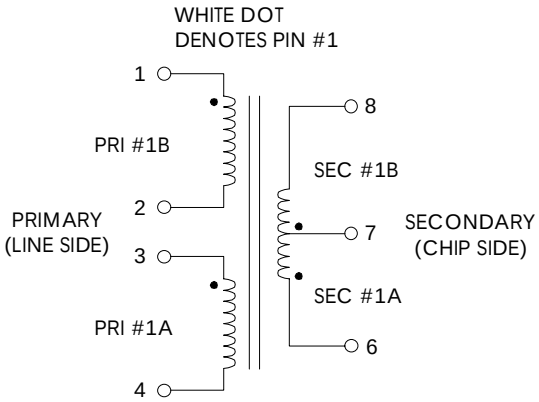
NOTE:
1) PRIMARY CENTER TAP IS FORMED BY CONNECTING PIN#2 TO PIN#4

NOTE1:
REINFORCED INSULATION, UL1950, IEC950, CSA-950:
A) MATERIALS MEET "UL", "CSA" & "IEC" REQUIREMENTS
B) MATERIALS ARE CLASS B (130°C) OR BETTER.
C) MARGIN WOUND FOR > 2.5mm CREEPAGE.CLEARANCE
D) VARNISH FINISHED ASSEMBLY.

1811 SMD MECHANICAL — PM-IU04







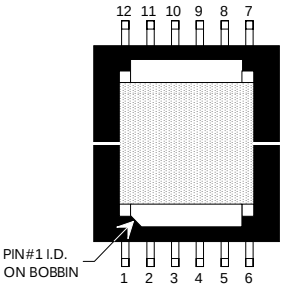
NOTE:
1) PRIMARY CENTER TAP IS FORMED BY CONNECTING PIN#2 TO PIN#4

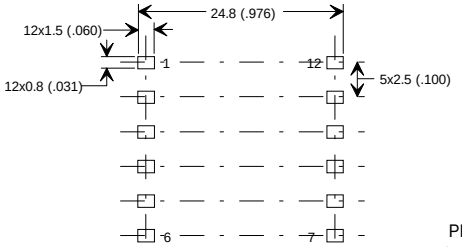
Specifications subject to change without notice.

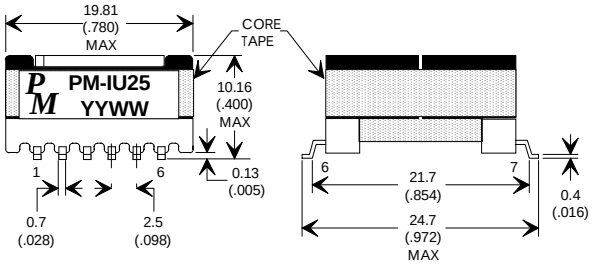
pmiu 06/99

ISDN-U
THRU HOLE & SMD
ISOLATION TRANSFORMERS

EPC19 SMD MECHANICAL

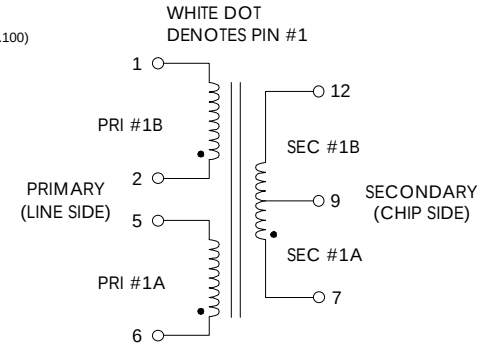






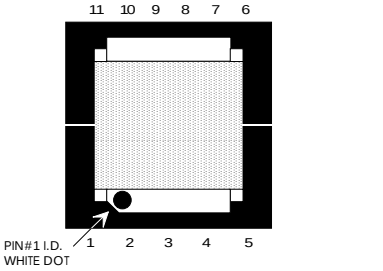
RECOMMENDED P.C.B. LAYOUT
Dimensions in inches (mm)

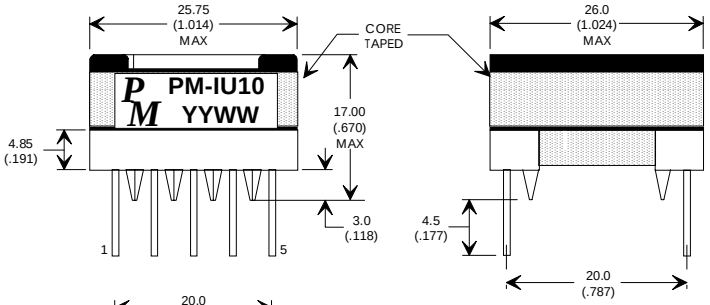
PM-IU25 & PM-IU26

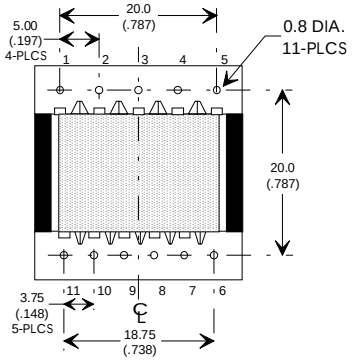


NOTE:
1) PRIMARY CENTER TAP IS FORMED BY CONNECTING PIN#2 TO PIN#5

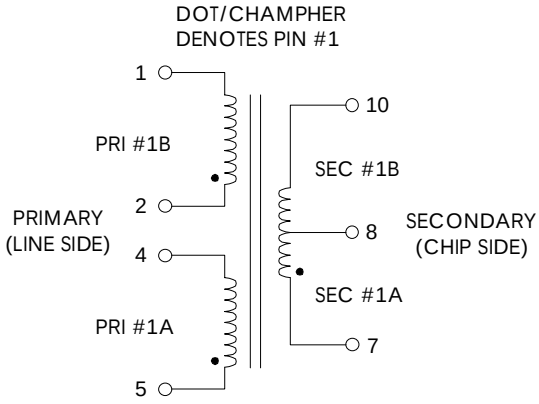
EPC25 MECHANICAL







PM-IU10



NOTE:
1) PRIMARY CENTER TAP IS FORMED BY CONNECTING PIN#2 TO PIN#4

NOTE1:
REINFORCED INSULATION SYSTEM, UL1950, IEC950, CSA-950:
A) ALL MATERIALS MEET "UL", "CSA" & "IEC" REQUIREMENTS
B) ALL MATERIALS ARE CLASS B (130°C) OR BETTER.
C) MARGIN WOUND FOR > 5.0mm CREEPAGE.CLEARANCE
D) VARNISH FINISHED ASSEMBLY.

Specifications subject to change without notice.

pmiu 06/99