

- ① Matched to Leading Transceiver ICs.
- ② 1500 & 3000Vrms Isolation Voltage

# ISDN-U THRU HOLE & SMD ISOLATION TRANSFORMERS

- ③ Industry Leading SMD Package Designs
- ④ IEC60950 2.5 & 5.0mm Creepage Versions

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

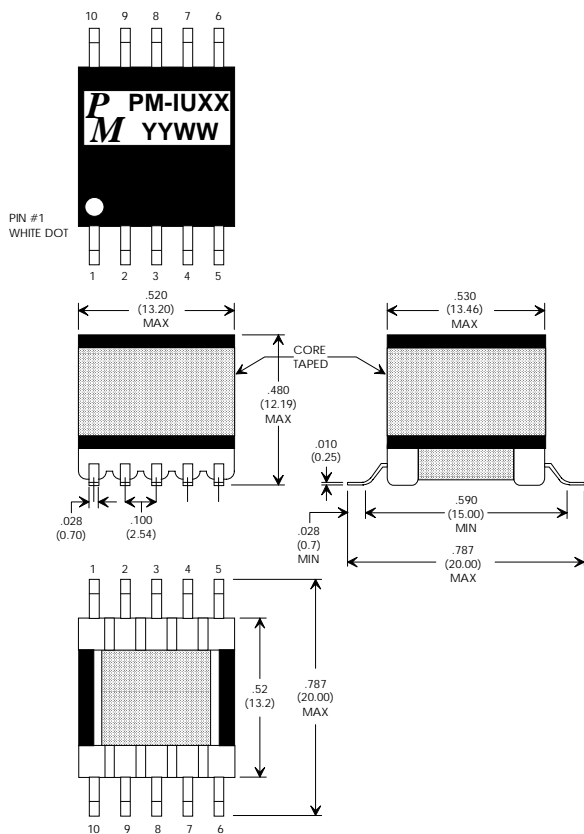
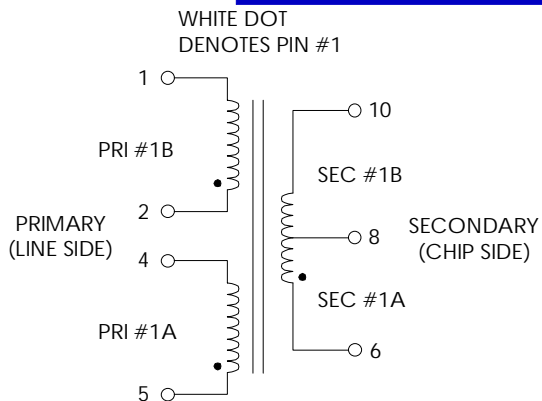
CLICK ON THE RESPECTIVE PART NUMBER TO DISPLAY A DETAIL DATA SHEET

PART NUMBER	TURNSTRATIO (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 <sup>2</sup>	1:1.25	1-5	26-33	8.0	60	9-7	12.0	3000	TS2318
PM-IU10 <sup>1</sup>	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

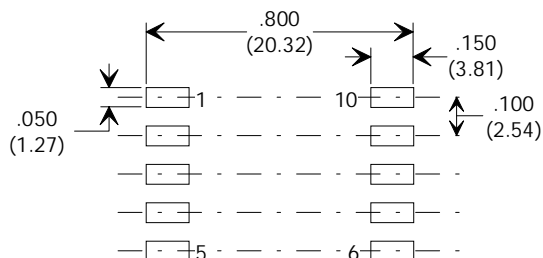
**NOTES:**

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)


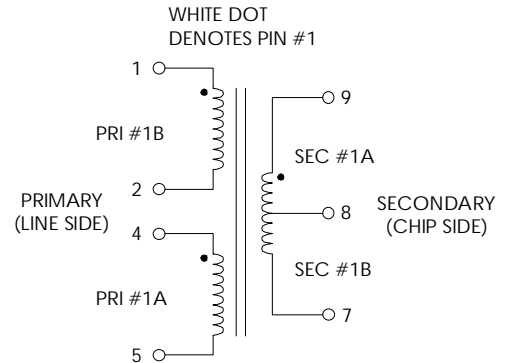
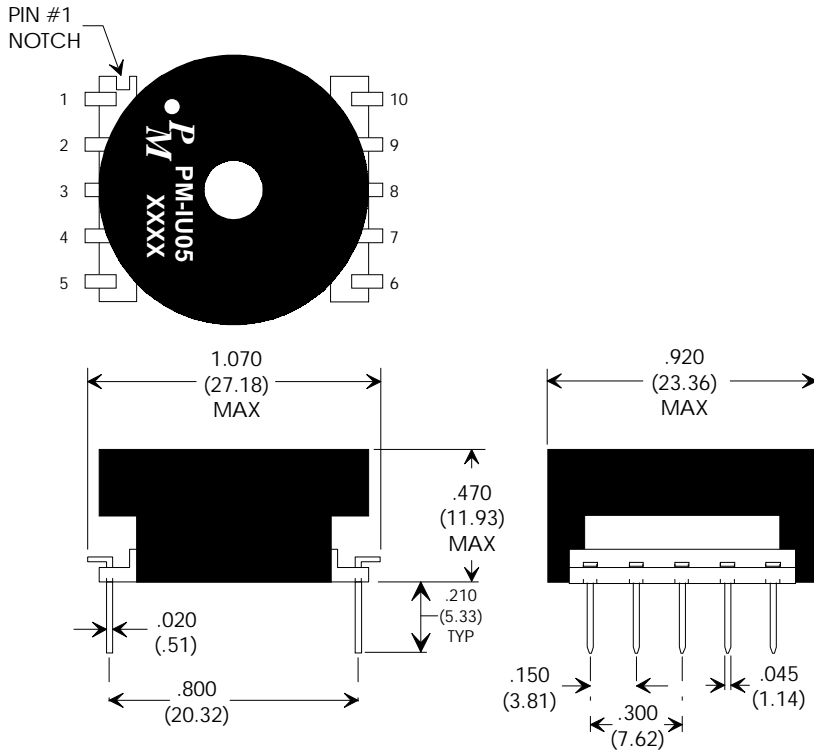
Specifications subject to change without notice.

pmiu 06/99

# ISDN-U THRU HOLE & SMD ISOLATION TRANSFORMERS

**TS2311 MECHANICAL**

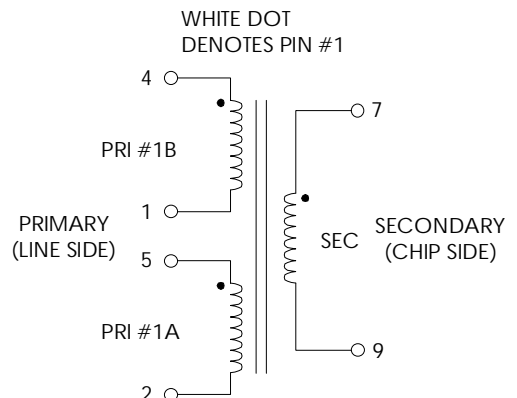
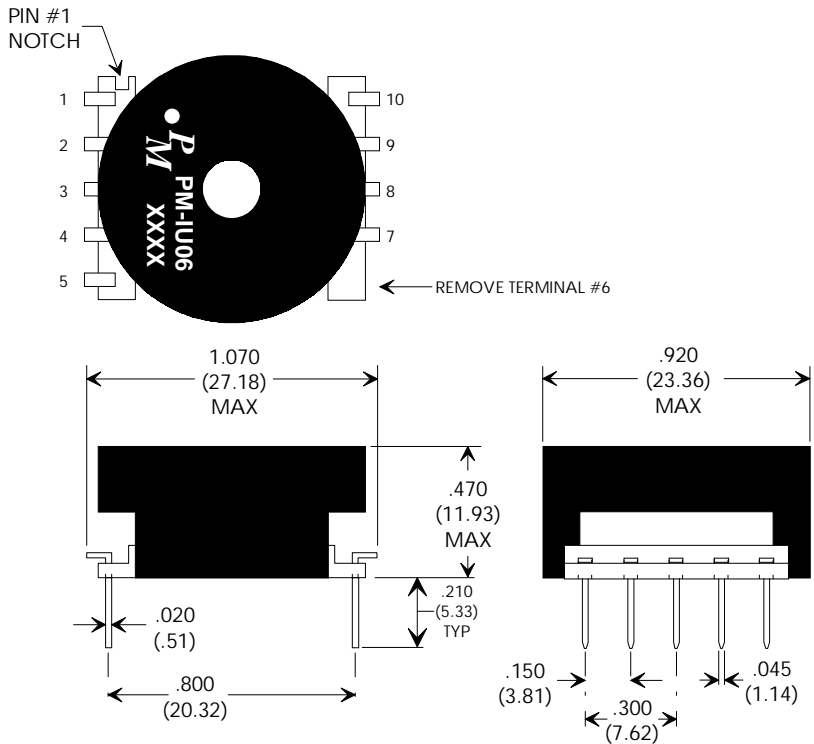
**PM-IU05**



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

**TS2311 MECHANICAL**

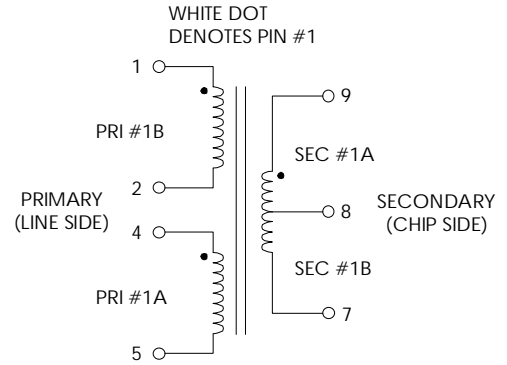
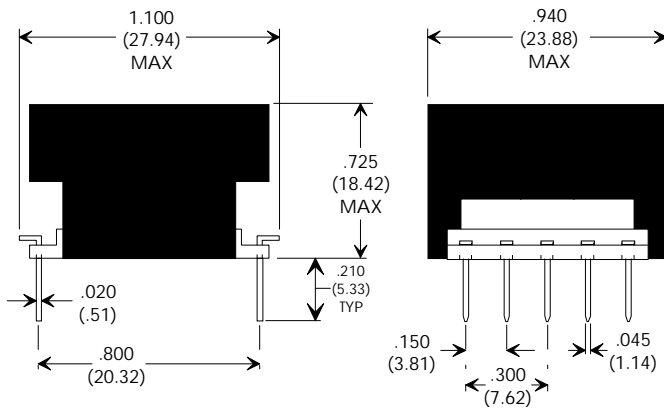
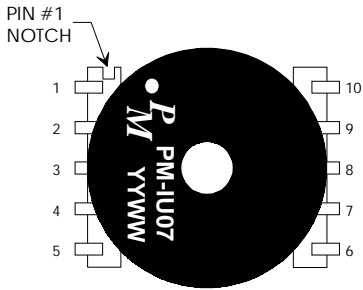
**PM-IU06**



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

**TS2318 MECHANICAL**

**PM-IU07**

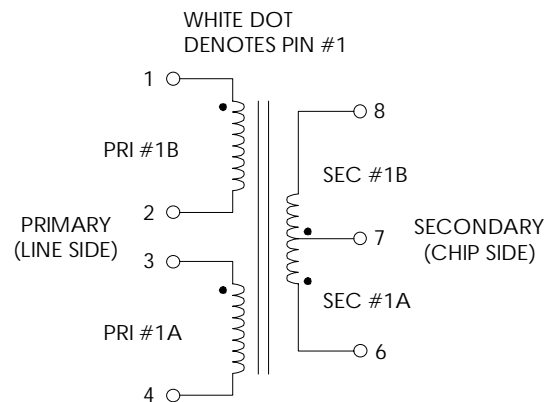
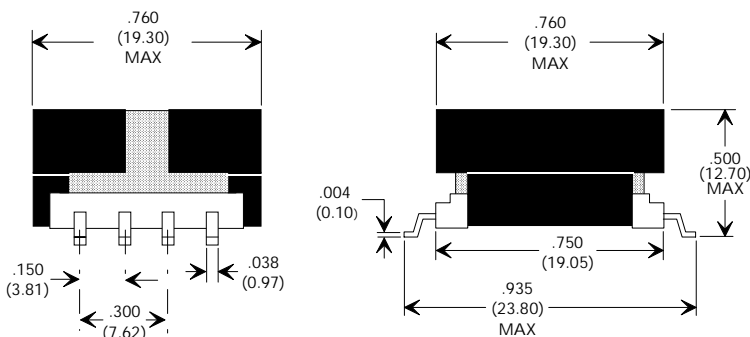
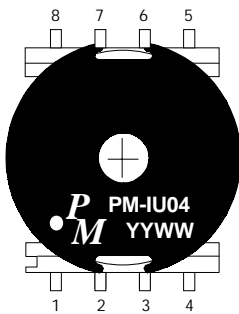


NOTE:  
 1) PRIMARY CENTER TAP IS FORMED BY CONNECTING PIN#2 TO PIN#4

**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**

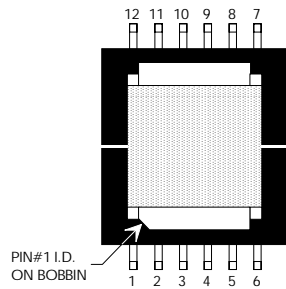


NOTE:  
 1) PRIMARY CENTER TAP IS FORMED BY CONNECTING PIN#2 TO PIN#4

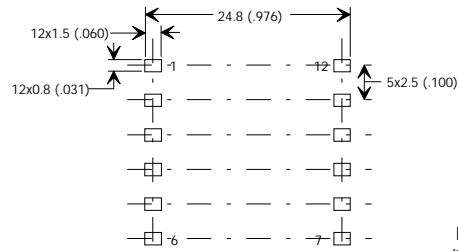
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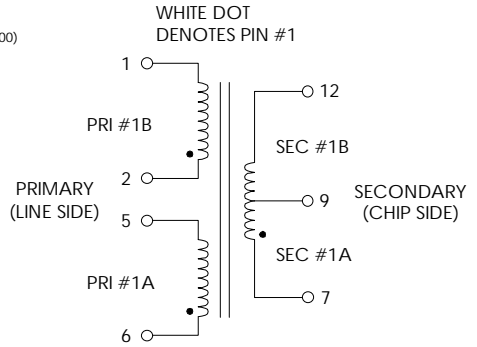
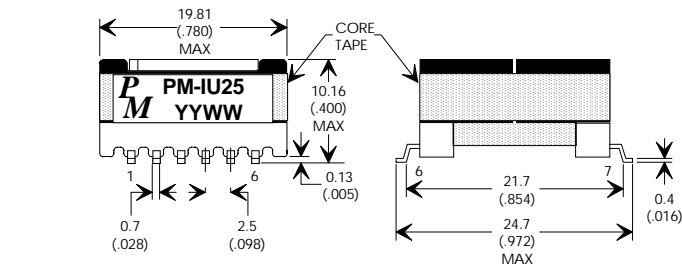
## EPC19 SMD MECHANICAL



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

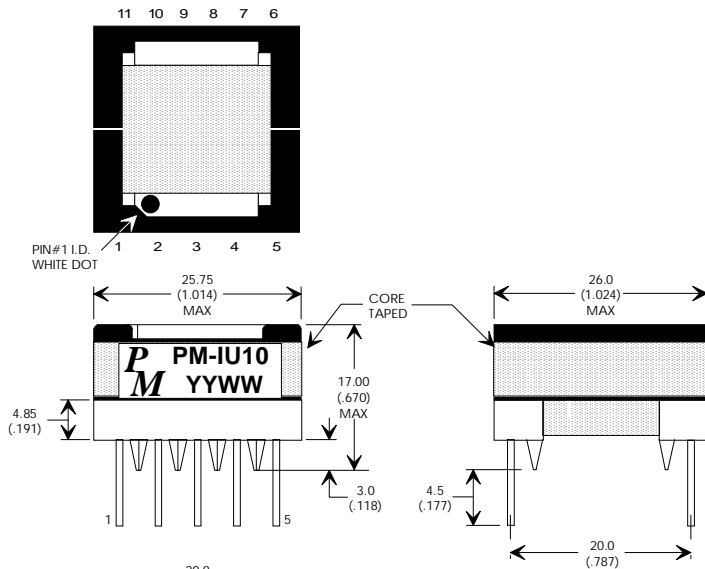


## PM-IU25 & PM-IU26

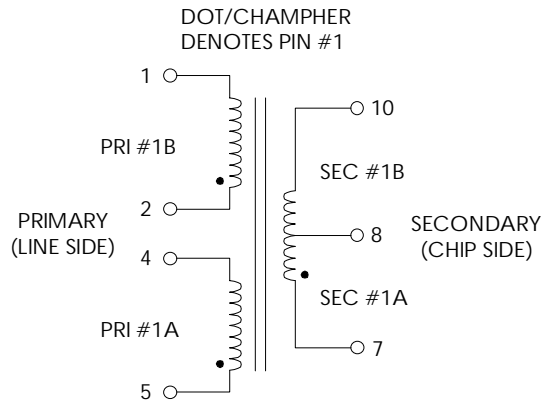


NOTE:  
1) PRIMARY CENTER TAP IS FORMED BY CONNECTING PIN#2 TO PIN#5

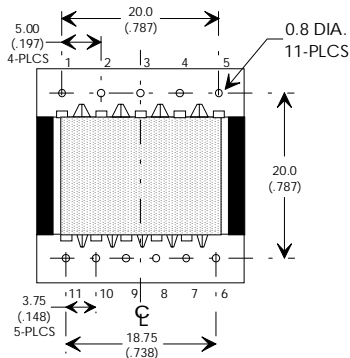
## EPC25 MECHANICAL



## 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.