

TABLE 1: ELECTRICAL SPECIFICATIONS AT 25 °C
ISDN U ISOLATION TRANSFORMER.

PARAMETER	SPEC LIMITS			UNITS
	MIN.	TYP.	MAX.	
URNS RATIO: 7-9 : 4-2 (SEC :PRI)	-----	1 : 1.50ct	-----	± 3%
FULL PRIMARY INDUCTANCE (1-5): VOLTAGE = 0.250Vrms FREQUENCY = 1.0 KHZ	25.6	27.0	28.4	mHy
PRIMARY DC BIAS CURRENT THD ≤ 70dB	0.0	-----	40.0	mA
PRIMARY LEAKAGE INDUCTANCE: VOLTAGE = 0.250Vrms FREQUENCY = 100 KHZ	-----	33	50	μHy
DCR: FULL PRIMARY (4-2) SECONDARY (7-9)	----- -----	----- -----	10.0 1.7	Ohms Ohms
LONGITUDINAL BALANCE OF PRI. 1KHz TO 4 KHz 4KHz TO 160 KHz	-60 -58	-80 -70	----- -----	dB dB
Cw/w @ 10KHz (FULL PRI TO SEC)	-----	TBD	TBD	pF
HI-POT: 50/60Hz PRIMARY TO SECONDARY	1500	-----	-----	Vac

FIGURE 1: SCHEMATIC DIAGRAM

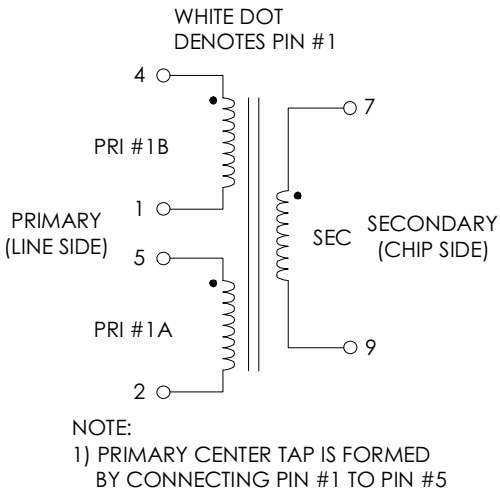


FIGURE 2: PHYSICAL DIMENSIONS IN INCHES, (mm)
REMOVE PIN #6

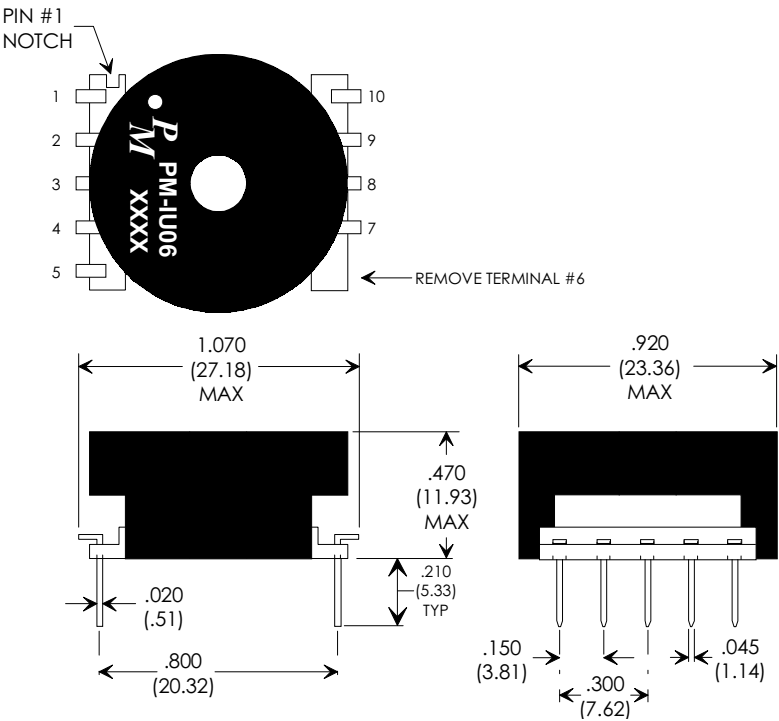
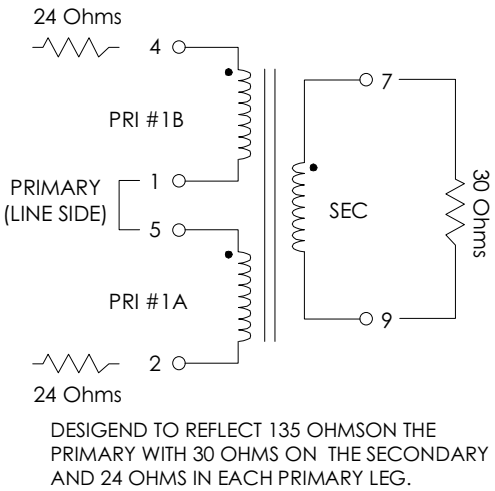


FIGURE 3: GENERAL ELECTRICAL REQUIRMENTS



- 1) DESIGNED TO REFELECT 135 OHMS ON THE PRIMARY WITH 30 OHMS ON THE SECONDARY & 24 OHMS IN EACH PRIMARY LEG.
- 2) THIRD HARMONIC DISTORTION:
-45dB TYPICAL @ 1500Hz ACROSS A 135 OHM RESISTOR FROM TERMINALS 4-2 AND 1uF ACROSS TERMINALS 1-5. SIGNAL IS A 500Hz, 5vP-P SIGNAL GENERATED THROUGH A 56 INPUT RESISTANCE TO SECONDARY TERMINALS 7 TO 9.
- 3) RETURN LOSS: 20dB MINIMUM 10KHz TO 25KHz

REV.	DESCRIPTION OF CHANGES
10/14/98	ORIGINAL RELEASE

TS2311, 10-PIN



Premier
Magnetics Inc.

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
 DIMENSIONAL TOLERANCES ARE:
 DECIMALS ANGLES
 .XX ± .05 ± 0° 30'
 .XXX ± .010
 DO NOT SCALE DRAWING

ISDN U TRANSFORMER CONTROL DRAWING

PREMIER P/N: PM-IU06	REVISION: 10/14/98
DRAWN BY: TOM O'NEIL	REF: TP3410
SCALE: NONE	SHEET: 1 OF 3