

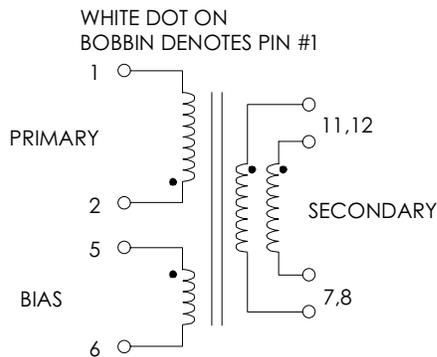
TABLE 1: ELECTRICAL SPECIFICATIONS AT 25 °C

SWITCHING TRANSFORMER DESIGNED FOR USE WITH POWER INTEGRATIONS PWR-TOP104YAI. REFER TO APPLICATION CIRCUIT OF FIGURE 3.

PARAMETER	SPEC LIMITS			UNITS
	MIN.	TYP.	MAX.	
PRIMARY INDUCTANCE (2-1) VOLTAGE = 0.250Vrms FREQUENCY = 100 KHZ	268	298	328	μHY
TURN RATIO'S: SEC (11,12-7,8) : PRIMARY (2-1) BIAS (5-6) : PRIMARY (2-1)	-----	1:3.88	-----	± 3%
PRI LEAKAGE IND. (SEC SHORTED) VOLTAGE = 0.250Vrms FREQUENCY = 100 KHZ	-----	9.00	12.00	μHY
HIPOT: PRIMARY TO SECONDARY BIAS TO SECONDARY	1500 1500	----- -----	----- -----	Vrms Vrms
APP CIRCUIT PARAMETERS: (1) AC LINE VOLTAGE 47/400 Hz OUTPUT VOLTAGE OUTPUT CURRENT CONTINUOUS OUTPUT CURRENT PEAK LINE REGULATION (85 TO 135Vac) LOAD REGULATION 0-100% RIPPLE	85 ----- 0.0 ----- ----- ----- ----- -----	----- 12.0 ----- ----- 0.20 0.20 50.0	135 ----- 5.0 5.2 ----- ----- ----- -----	Vac Vdc Amps Amps ±% ±% ±mV

(1) REFER TO APPLICATION CIRCUIT OF FIGURE 3.

FIGURE 1: SCHEMATIC DIAGRAM

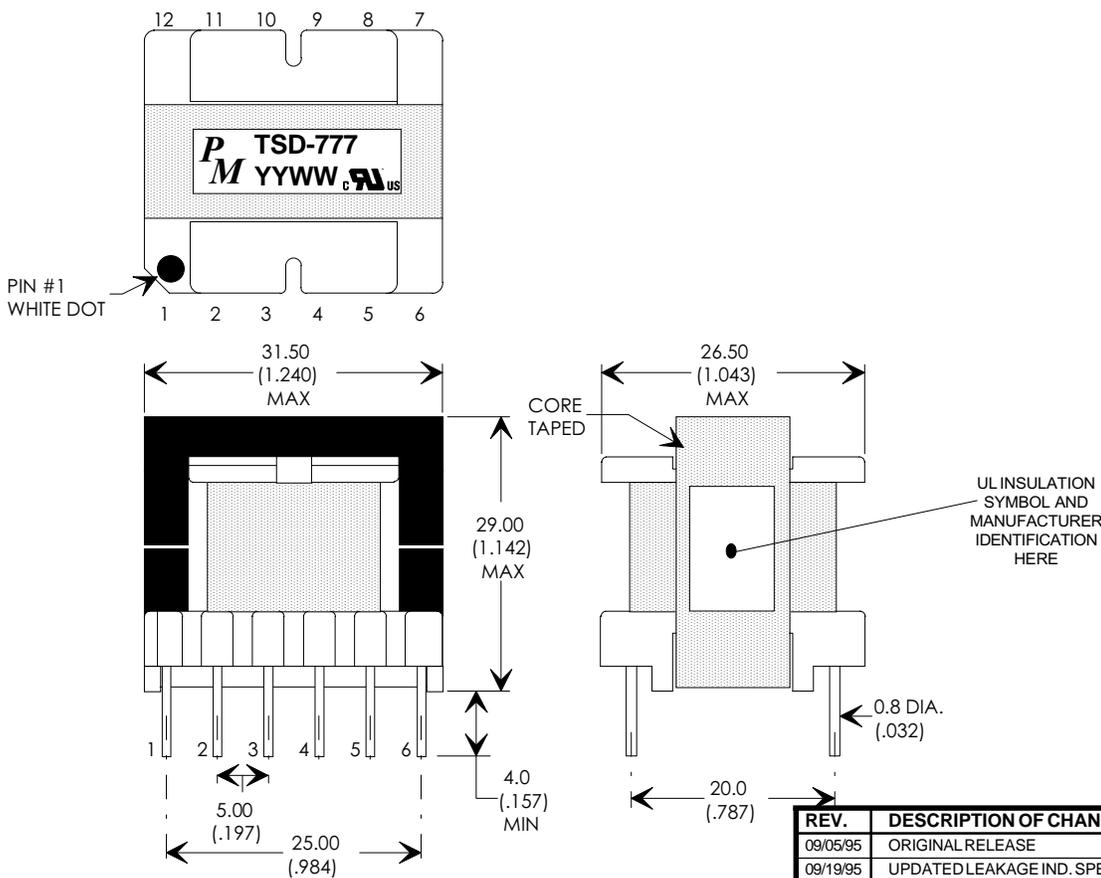


WHITE DOT ON BOBBIN DENOTES PIN #1
SECONDARY PINS #12 & 11, #8 & 7 MUST BE RESPECTIVELY CONNECTED TOGETHER FOR PROPER OPERATION.
I.E. CONNECTED AS ONE PARALLEL WINDING.

NOTE1:

- REINFORCED INSULATION SYSTEM, UL1950, IEC950, CSA-950:**
 A) ALL MATERIALS MEET "UL", "CSA" & "IEC" REQUIREMENTS
 B) TRIPLE BASIC INSULATED SECONDARY.
 C) DESIGNED TO MEET ≥2.5mm CREEPAGE REQUIREMENTS.
 D) VARNISH FINISHED ASSEMBLY.
 E) UL1950 & CSA-950 CERTIFIED: FILE #E162344.
 F) UL CLASS (B) 130 INSULATION SYSTEM PM130-H1A (UL FILE #E177139) OR ANY UL AUTHORIZED CLASS (B) INSULATION SYSTEM.

FIGURE 2: PHYSICAL DIMENSIONS mm (INCHES)



EE30 (FEE30A) -OR- EI30(FEI30), 12-PIN VERTICAL BOBBIN

REV.	DESCRIPTION OF CHANGES	BY
09/05/95	ORIGINAL RELEASE	TO
09/19/95	UPDATED LEAKAGE IND. SPECS.	TO
05/13/99	UPDATED TO UL CLASS (B) 130 INSULATION SYSTEM	MD



Premier Magnetics Inc.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM
 DIMENSIONAL TOLERANCES ARE:
 DECIMALS ANGLES
 .X ± .25 ±0° 30'
 .XX ± .15
 DO NOT SCALE DRAWING

TRANSFORMER CONTROL DRAWING

PREMIER P/N: TSD-777	REVISION: 05/13/99
DRAWN BY: TOM O'NEIL	REF: XA-PROTO-60W
SCALE: NONE	SHEET: 1 OF 4

