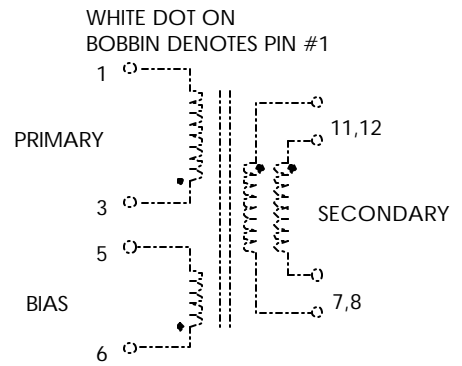


TABLE 1: ELECTRICAL SPECIFICATIONS AT 25 °C
SWITCHING TRANSFORMER DESIGNED FOR USE WITH POWER INTEGRATIONS TOP246.

PARAMETER	SPEC LIMITS			UNITS
	MIN.	TYP.	MAX.	
PRIMARY INDUCTANCE (3-1) VOLTAGE = 0.250Vrms FREQUENCY = 100KHZ	260	290	320	μHY
TURN RATIO'S: SEC (11,12-7,8) : PRIMARY (3-1) BIAS (6-5) : PRIMARY (3-1)	-----	1:5.5 1:7.333	-----	± 3% ± 3%
PRILEAKAGE IND. (SEC SHORTED) VOLTAGE = 0.250Vrms FREQUENCY = 100KHZ	-----	-----	15	μHY
HIPOT: PRIMARY TO SECONDARY BIAS TO SECONDARY	4000 4000	----- -----	----- -----	Vrms Vrms
FIGURE 3A CIRCUIT PARAMETERS: (1) AC LINE VOLTAGE 47/400Hz OUTPUT VOLTAGE OUTPUT CURRENT CONTINUOUS OUTPUT CURRENT PEAK LINE REGULATION (85 TO 265Vac) LOAD REGULATION 10-100% RIPPLE	175 ----- 0.0 ----- ----- ----- -----	----- 24.0 ----- ----- 0.20 0.20 50.0	265 ----- 3.60 3.75 ----- ----- -----	Vac Vdc Amps Amps ±% ±% ±mV

FIGURE 1: SCHEMATIC DIAGRAM

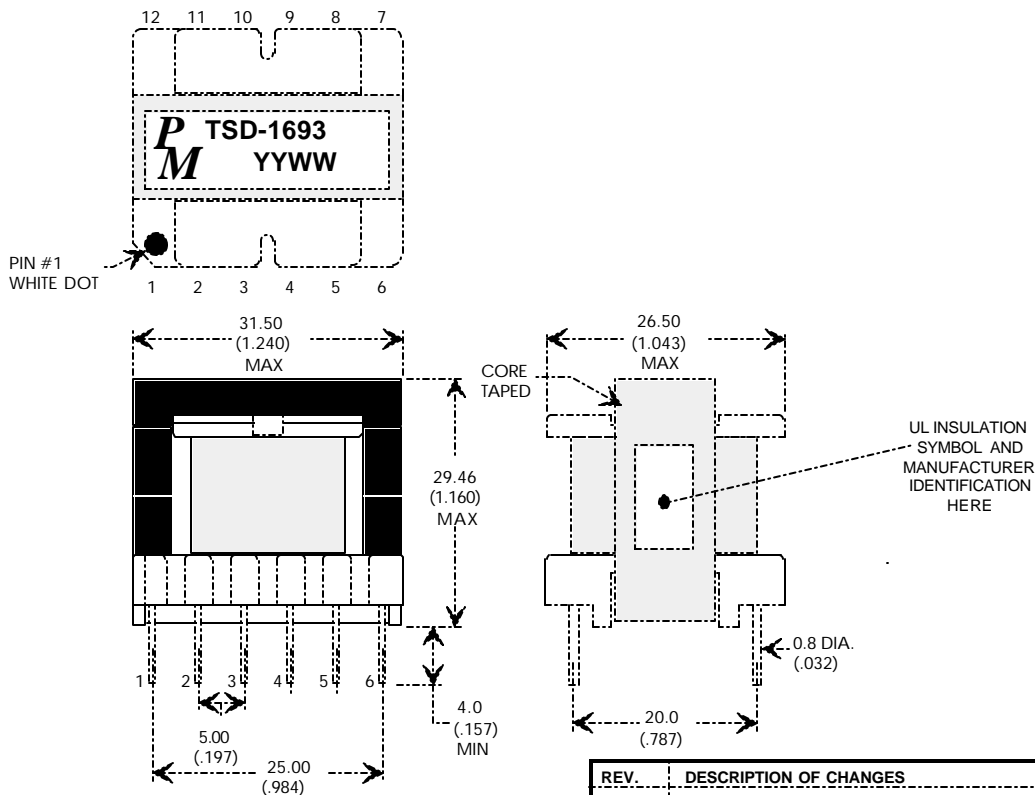


SECONDARY PINS #12 & 11, #8 & 7 MUST BE RESPECTIVELY CONNECTED TOGETHER FOR PROPER OPERATION.
I.E. CONNECTED AS ONE PARALLEL WINDING.

NOTE1:

- A) ALL MATERIALS MEET "UL", "CSA" & "IEC" REQUIREMENTS
- B) TRIPLE BASIC INSULATED SECONDARY.
- C) DESIGNED TO MEET >6mm CREEPAGE REQUIREMENTS.
- E) VARNISH FINISHED ASSEMBLY.

FIGURE 2: PHYSICAL DIMENSIONS mm (INCHES)



REV.	DESCRIPTION OF CHANGES	BY
10/04/01	ORIGINAL RELEASE	PP
06/08/05	UPDATED RELEASE	LL



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-1693	REVISION: 06/08/05
DRAWN BY: PETER PHAM	REF: TOP246
SCALE: NONE	SHEET: 1 OF 3