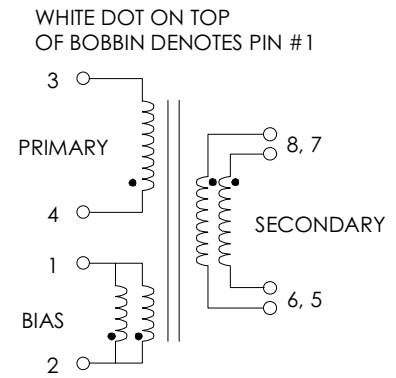


TABLE 1: ELECTRICAL SPECIFICATIONS AT 25 °C
 SWITCHING TRANSFORMER DESIGNED FOR USE WITH POWER INTEGRATIONS
 TOP224P. REFER TO APPLICATION CIRCUIT OF FIGURE 3.

PARAMETER	SPEC LIMITS			UNITS
	MIN.	TYP.	MAX.	
PRIMARY INDUCTANCE (4-3) VOLTAGE = 0.250Vrms FREQUENCY = 100 KHZ	585	650	715	μHY
TURN RATIO'S: SEC (8,7-6,5) : PRIMARY (4-3) BIAS (2-1) : PRIMARY (4-3)	-----	1: 8.375	-----	± 4%
PRI LEAKAGE IND. (SEC SHORTED) VOLTAGE = 0.250Vrms FREQUENCY = 100 KHZ	-----	-----	36.0	μHY
HIPOT: PRIMARY TO SECONDARY BIAS TO SECONDARY	3000 3000	----- -----	----- -----	Vrms Vrms
APP CIRCUIT PARAMETERS: (1) AC LINE VOLTAGE 47/400 Hz OUTPUT VOLTAGE OUTPUT CURRENT CONTINUOUS OUTPUT CURRENT PEAK LINE REGULATION (85 TO 265Vac) LOAD REGULATION 10-100% RIPPLE	85 0.0 ----- ----- ----- ----- -----	----- 12.0 ----- ----- 0.20 0.20 50.0	265 1.70 2.00 ----- ----- -----	Vac Vdc Amps Amps ±% ±% ±mV

FIGURE 1: SCHEMATIC DIAGRAM

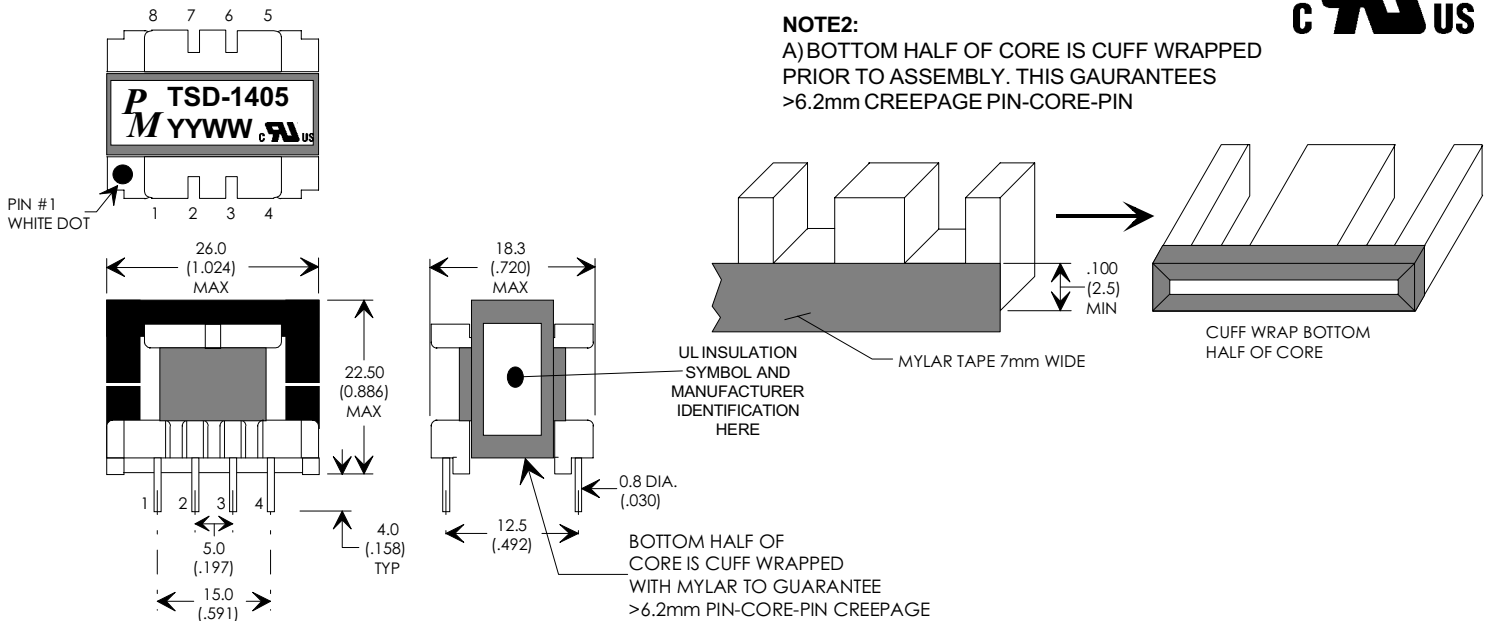


SECONDARY PINS #8 & 7, #6 & 5 MUST BE RESPECTIVELY CONNECTED TOGETHER FOR PROPER OPERATION. I.E. CONNECTED AS ONE PARALLEL WINDING.

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 ≥6.2mm CREEPAGE REQUIREMENTS.
 D) VARNISH FINISHED ASSEMBLY.
 E) UL 1950 & CSA-950 CERTIFIED: FILE #E162344.
 F) UL CLASS (B) 130 INSULATION SYSTEM PM130-R1, PM130-H1, PM130-H1A (UL FILE #E177139) OR ANY UL AUTHORIZED CLASS (B) INSULATION SYSTEM.

(1) REFER TO RD5 APPLICATION CIRCUIT OF FIGURE 3.

FIGURE 2: PHYSICAL DIMENSIONS mm (INCHES)



EE25.4 (FEI25, FEE25, EE2425), 8-PIN VERTICAL BOBBIN



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

REV.	DESCRIPTION OF CHANGES	BY
03/31/99	ORIGINAL RELEASE	PP
09/30/99	UPDATE TO UL CLASS (B) 130 INSULATION SYSTEM	MD
01/12/00	UPDATE TO UL RECOGNIZED FILE #E162344	MD

FLYBACK TRANSFORMER CONTROL DRAWING

PREMIER P/N: TSD-1405	REVISION: 01/12/00
ENGR: PETER PHAM	REF: TOP224P
SCALE: NONE	SHEET: 1 OF 6

