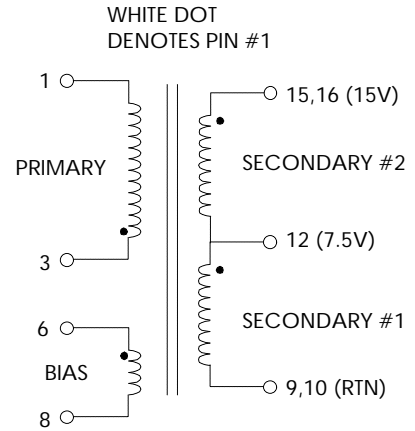


TABLE 1: ELECTRICAL SPECIFICATIONS AT 25 °C
 SWITCHING TRANSFORMER DESIGNED FOR USE WITH POWER INTEGRATIONS
 PWR-TOP246.

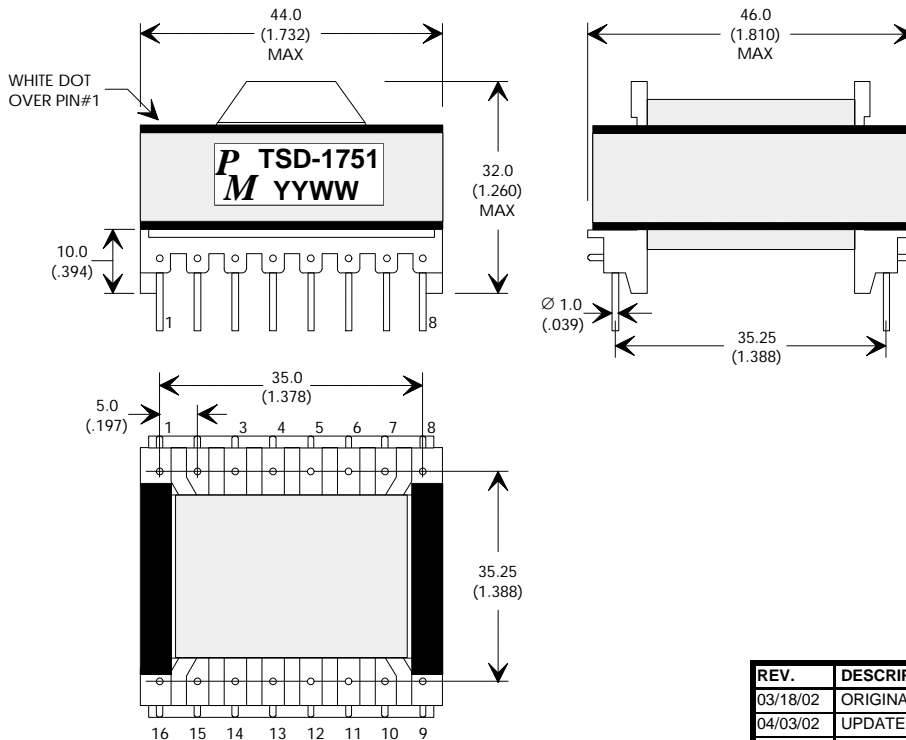
PARAMETER	SPEC LIMITS			UNITS
	MIN.	TYP.	MAX.	
PRIMARY INDUCTANCE (3-1) VOLTAGE = 0.250Vrms FREQUENCY = 100 KHZ	90	100	110	μHY
TURN RATIO'S: SEC #1 (9,10-12) : PRIMARY (3-1) SEC (9,10-15,16) : PRIMARY (3-1) BIAS (6-8) : PRIMARY (3-1)	-----	1: 12.0 1: 6.0 1: 12.0	-----	± 4% ± 4% ± 4%
PRI LEAKAGE IND. (SEC SHORTED) VOLTAGE = 0.250Vrms FREQUENCY = 100 KHZ	-----	-----	10.0	μHY
HIPOT: PRIMARY TO SECONDARY BIAS TO SECONDARY	4000 4000	----- -----	----- -----	Vrms Vrms
AC LINE VOLTAGE 47/400 Hz BIAS VOLTAGE BIAS CURRENT SEC #1 OUTPUT (9,10 TO 12) SEC #1 POWER SEC #2 OUTPUT (9,10 TO 15,16) SEC#2 POWER	85 ----- ----- ----- ----- ----- -----	115 15 50 7.5 7.5 15.0 120	265 ----- ----- ----- ----- ----- -----	Vac Vac mA Vdc VA Vdc VA

FIGURE 1: SCHEMATIC DIAGRAM



NOTE1:
REINFORCED INSULATION SYSTEM, UL1950, IEC950, CSA-950:
 A) ALL MATERIALS MEET "UL", "CSA" & "IEC" REQUIREMENTS
 B) ALL MATERIAL RATED 130C OR BETTER.
 C) MARGIN WOUND BOTH SIDE BOBBIN.
 D) DESIGNED TO MEET ≥6.4mm CREEPAGE REQUIREMENTS.
 E) VARNISH FINISHED ASSEMBLY.

FIGURE 2: PHYSICAL DIMENSIONS mm (INCHES)



REV.	DESCRIPTION OF CHANGES	BY
03/18/02	ORIGINAL RELEASE	PP
04/03/02	UPDATED DIMENSION TO 35.25mm, 1.0mm WAS 35.5mm, 0.8mm	LL



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

FLYBACK TRANSFORMER CONTROL DRAWING

PREMIER P/N: TSD-1751	REVISION: 04/03/02
DRAWN BY: PETER PHAM	REF: PWR-TOP249
SCALE: NONE	SHEET: 1 OF 3