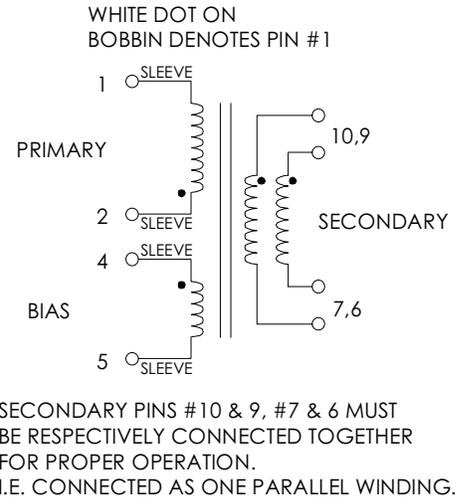


TABLE 1: ELECTRICAL SPECIFICATIONS AT 25 °C
 SWITCHING TRANSFORMER DESIGNED FOR USE WITH POWER INTEGRATIONS
 PWR-TOP204YAI. REFER TO APPLICATION CIRCUITS OF FIGURE 3A OR 3B.

PARAMETER	SPEC LIMITS			UNITS
	MIN.	TYP.	MAX.	
PRIMARY INDUCTANCE (3-1) VOLTAGE = 0.250Vrms FREQUENCY = 100 KHZ	967	1075	1183	μHY
TURN RATIO'S: SEC (11,12-7,8) : PRIMARY (3-1) BIAS (6-5) : PRIMARY (3-1)	-----	1:9.182	-----	± 4%
PRI LEAKAGE IND. (SEC SHORTED) VOLTAGE = 0.250Vrms FREQUENCY = 100 KHZ	-----	-----	26.0	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 ----- ----- ----- ----- -----	----- 15.0 ----- ----- 0.20 0.20 50.0	265 ----- 7.33 7.5 ----- ----- -----	Vac Vdc Amps Amps ±% ±% ±mV

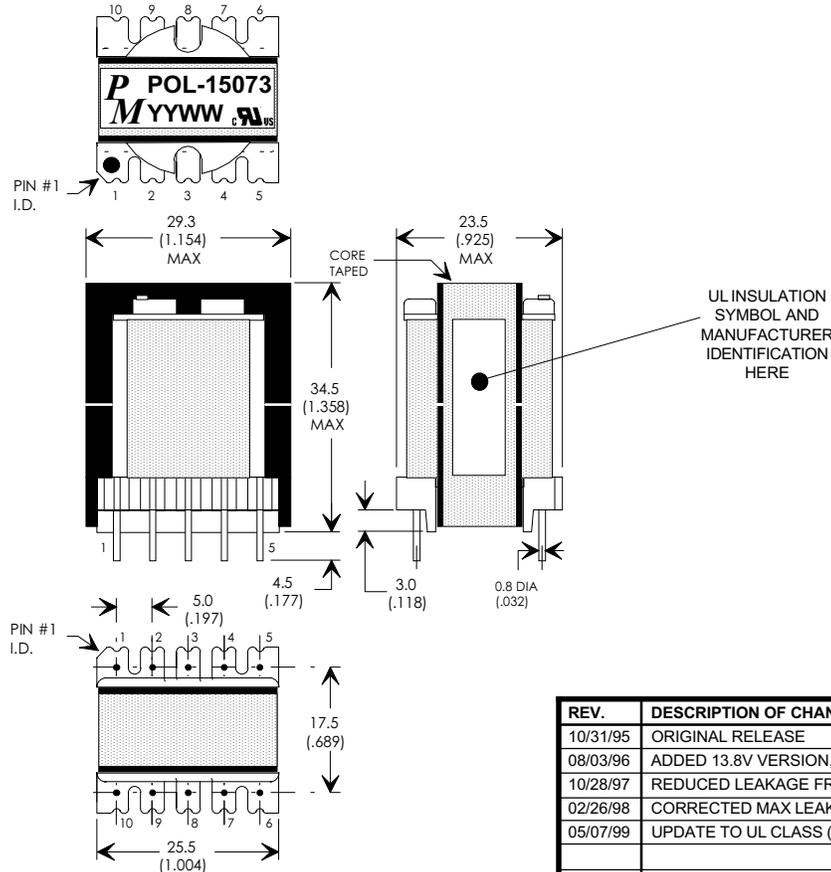
FIGURE 1: SCHEMATIC DIAGRAM



NOTE 1:
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-H1A
 (UL FILE #E177139) OR ANY UL AUTHORIZED
 CLASS (B) INSULATION SYSTEM.

(1) REFER TO APPLICATION CIRCUIT OF FIGURE 3A.
 FOR 13.8V, 85-132VAC VERSION REFER TO CIRCUIT & TABLE OF FIGURE 3B.

FIGURE 2: PHYSICAL DIMENSIONS mm (INCHES)



REV.	DESCRIPTION OF CHANGES	BY
10/31/95	ORIGINAL RELEASE	AS
08/03/96	ADDED 13.8V VERSION, CORRECTED LEAKAGE TO ACTUAL	AS
10/28/97	REDUCED LEAKAGE FROM 40MAX TO 20 MAX	AS
02/26/98	CORRECTED MAX LEAKAGE INDUCTANCE TO 26μH	AS
05/07/99	UPDATE TO UL CLASS (B) 130 INSULATION SYSTEM	MD

EER28L, 10-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

TRANSFORMER CONTROL DRAWING

PREMIER P/N: POL-15073	REVISION: 05/07/99
ENGR: AL SANTOS	REF: TOP227Y/226Y
APPD: TOM O'NEIL	SHEET: 1 OF 5

