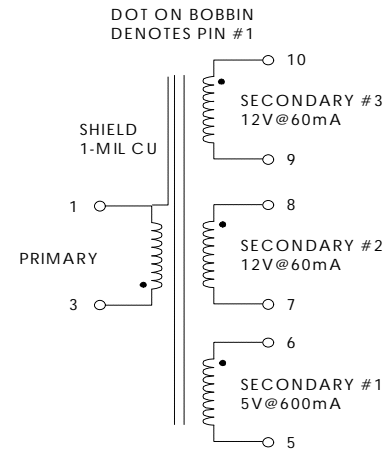


**TABLE 1: ELECTRICAL SPECIFICATIONS AT 25 °C**  
 SWITCHING TRANSFORMER DESIGNED FOR USE WITH POWER INTEGRATIONS  
 TNY-256

PARAMETER	SPEC LIMITS			UNITS
	MIN.	TYP.	MAX.	
PRIMARY INDUCTANCE (3-1) FREQ. = 100 KHZ @ 0.250Vrms	1500	1600	1700	μHY
TURNRATIO'S: SEC #1 (6-5) : PRIMARY (3-1) SEC #2 (8-7) : PRIMARY (3-1) SEC #3 (10-9) : PRIMARY (3-1)	-----	1:13.33 1:5.71 1:5.71	-----	± 4% ± 4% ± 4%
PRI LEAKAGE IND. (10-5 SHORTED) FREQ. = 100 KHZ @ 0.250Vrms	-----	-----	70	μHY
HIPOT: PRIMARY TO SECONDARIES	3000	-----	-----	Vrms

**FIGURE 1: SCHEMATIC DIAGRAM**



**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 CLASS (B) 130 INSULATION SYSTEM PM130-R1, PM130-H1, PM130-H1A (UL FILE #E177139) OR ANY UL AUTHORIZED CLASS (B) INSULATION SYSTEM.

**FIGURE 2: PHYSICAL DIMENSIONS mm (INCHES)**



REV.	DESCRIPTION OF CHANGES	BY
12/13/00	ORIGINAL RELEASE	PP
01/19/01	UPDATED PRI. LEAKAGE IND. VALUE	LL
02/12/01	CHANGE THE PIN #4 TO #3, ADD TURN TO SEC #2 & #3	PP
04/19/01	UPDATE SPEC PER CUSTOMER REQUEST	LL
09/10/01	CORRECTED PIN #1 ON PAGE 3 STEP 03 WAS PIN #4	LL
11/14/01	ADDED UL APPROVAL AND CLASS B 130 INSULATION SYSTEM	MD
12/10/01	UPDATED NEW DIMENSIONS ON DRAWING	MP



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: PNY-12206	REVISION: 12/10/01
DRAWN BY: PETER PHAM	REF: TNY-256
SCALE: NONE	SHEET: 1 OF 3