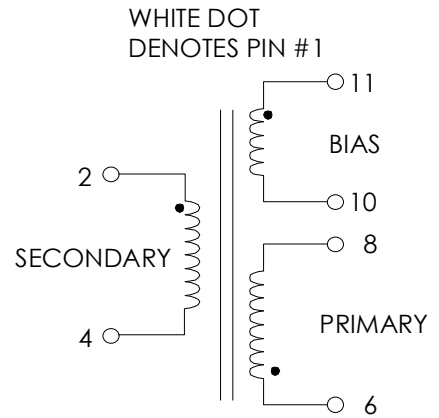


**TABLE 1: ELECTRICAL SPECIFICATIONS AT 25 °C**  
 UNIVERSAL INPUT OFF-LINE SWITCHING TRANSFORMER DESIGNED  
 FOR USE WITH POWER INTEGRATIONS PWR-TOP201YAI.C.

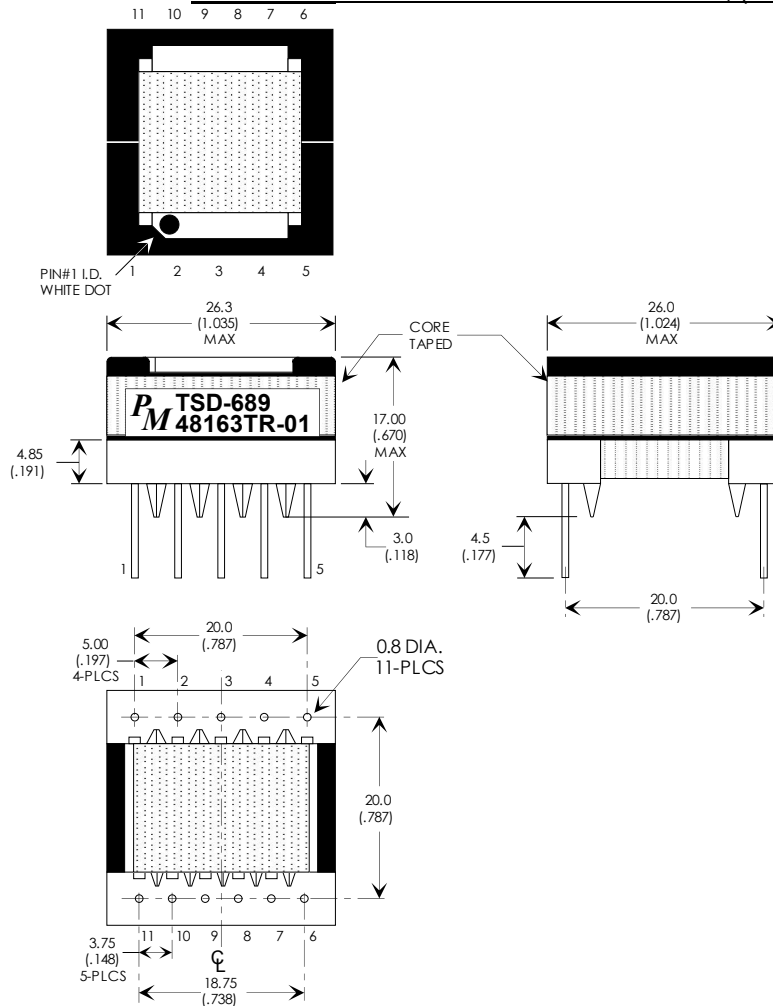
PARAMETER	SPEC LIMITS			UNITS
	MIN.	TYP.	MAX.	
PRIMARY INDUCTANCE (6-8) VOLTAGE = 0.250Vrms FREQUENCY = 100 KHZ	1.17	1.30	1.43	mHY
TURN RATIOS: SECONDARY (2-4) : PRIMARY (6-8) BIAS (11-10) : PRIMARY (6-8)	-----	1:4.889 1:8.800	-----	± 3% ± 3%
PRI LEAKAGE IND. (SEC SHORTED) VOLTAGE = 0.250Vrms FREQUENCY = 100 KHZ	-----	58.0	65.0	μHY
HIPOT: PRIMARY & BIAS TO SECONDARY	4000	-----	-----	Vrms
DESIGN PARAMETERS: AC LINE VOLTAGE 47/400 Hz OUTPUT VOLTAGE OUTPUT CURRENT CONTINUOUS OUTPUT CURRENT PEAK TRANSFORMER TEMP RISE	85 0.0 ----- -----	----- 24.0 ----- -----	265 300 500 -----	Vac mA mA °C

**FIGURE 1: SCHEMATIC DIAGRAM**



**NOTE 1:**  
**INSULATION SYSTEM IEC348, IEC950, UL1950:**  
 1) ALL MATERIALS MEET "UL" , "CSA" , & "IEC" REQUIRMENTS  
 2) MARGIN WOUND TO MEET 7mm CREEPPAGE.  
 3) VARNISH FINISHED ASSEMBLY

**FIGURE 2: PHYSICAL DIMENSIONS IN MM, (inches)**



EPC25



**Premier  
Magnetics Inc.**

UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE IN MM  
 DIMENSIONAL TOLERANCES ARE:  
 DECIMALS ANGLES  
 .X ± .50 ± 0° 30'  
 .XX ± .25  
 DO NOT SCALE DRAWING

**TRANSFORMER CONTROL DRAWING**

PREMIER P/N: TSD-689	REVISION: 06/25/18
DRAWN BY: TOM O'NEIL	REF: 48163TR-01
SCALE: NONE	SHEET: 1 OF 1