TABLE 1: ELECTRICAL SPECIFICATIONS AT 25 °C

PARAMETER	SPEC LIMITS MIN.	TYP.	MAX.	UNITS
PRIMARY INDUCTANCE (1-3) VOLTAGE = 0.250Vrms FREQUENCY = 10 KHZ	120	130	140	µHY
HIPOT: PRIMARY TO SECONDARY	3750	--------	--------	Vrms

CHECK TURN RATIO PER WDG SPEC

FIGURE 1: SCHEMATIC DIAGRAM

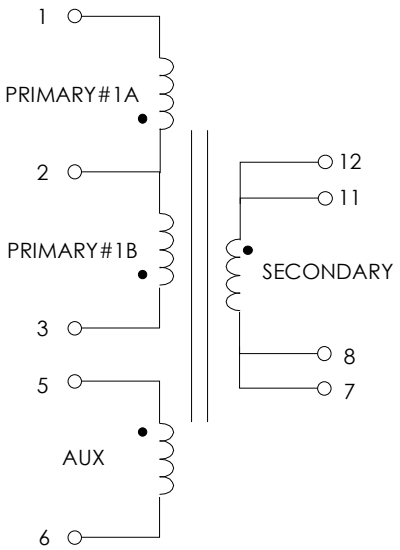
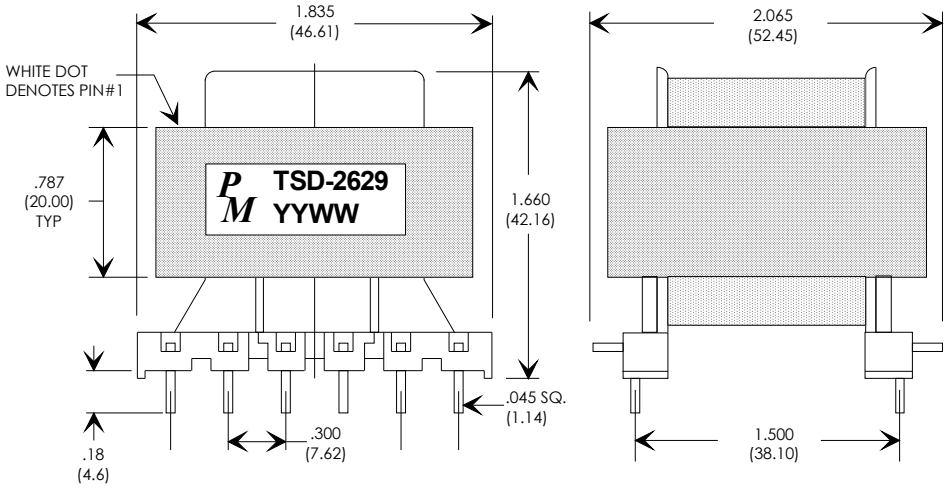
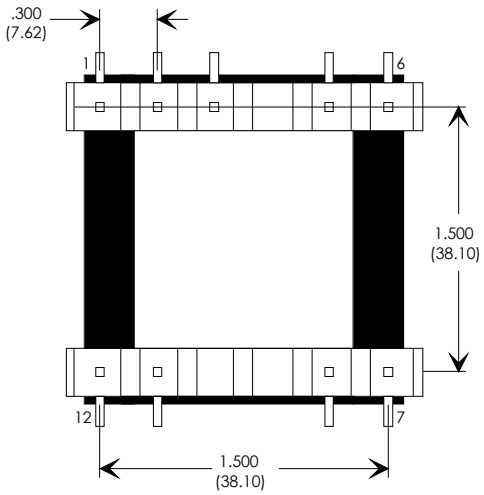


FIGURE 2: PHYSICAL DIMENSIONS mm (INCHES)



REMOVE PIN 4, 9 & 10



NOTE1:
A) ALL MATERIALS RATED 130C OR BETTER.
B) MARGIN TAPE FOR 6.0mm MIN CREEPAGE.
C) VARNISH FINISHED ASSEMBLY.

REV.	DESCRIPTION OF CHANGES	BY
01/07/09	ORIGINAL RELEASE	PP

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innovators in magnetics technology

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: TSD-2629	REVISION: 01/07/09
DRAWN BY: PETER PHAM	REF:
SCALE: NONE	SHEET: 1 OF 2

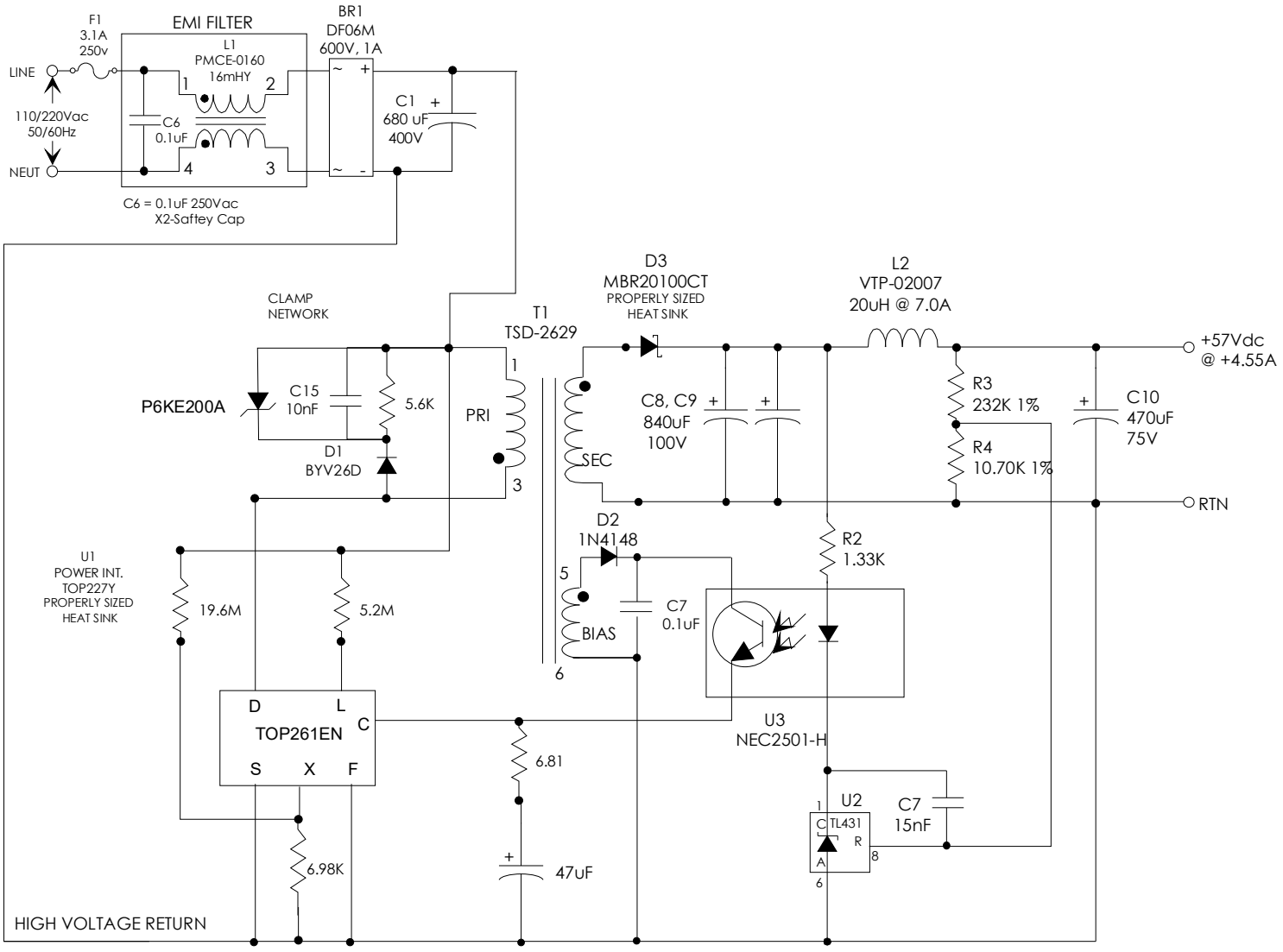
APPLICATION NOTES

Premier Magnetics TSD-2629 Switch Mode Transformer was designed for use with Power Integrations, Inc. Premiers PTSD-2629 transformer has been optimized to provide maximum power throughput.

The PWR-TOPXXX series from Power Integrations, Inc. are self contained 132KHz. This series contains all necessary functions for an off-line switched mode control DC power source. These switching regulators provide a very simple solution to off-line designs. The inductors and transformer used with the PWR-TOPXXX are critical to the performance of the circuit. They define the overall efficiency, output power and overall physical size.

Below is a universal input high precision 260 watt application circuit utilizing Power Integrations PWR-TOP261EN switching regulator in the flyback buck-boost configuration. The component values listed are intended for reference purposes only. Properly sized heat sinks for the TOP & D3 as well as proper thermal management & board layout are critical requirements for efficient and reliable operation.

FIGURE 3: TYPICAL APPLICATION CIRCUIT



premier magnetics — innovators in magnetics technology	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: TSD-2629 — REVISION: 01/07/09
		DRAWN BY: PETER PHAM — REF:
		SCALE: NONE — SHEET: 2 OF 2