

- 4:1 Input Range
- Efficiency to 87%
- Half-brick Package
- OCP/ OVP/ OTP
- continuous short circuit Protection
- Remote ON/OFF



Model Number	Input Voltage	Output Voltage	Output Current	Input No Load	Current Full Load	% Eff.
TP50W-24S3.3	9 – 36 V	3.3 VDC	10 A	50 mA	1740 mA	79
TP50W-24S05	9 – 36 V	5 VDC	10 A	50 mA	2570 mA	81
TP50W-24S12	9 – 36 V	12 VDC	4.16 A	50 mA	2510 mA	83
TP50W-24S15	9 – 36 V	15 VDC	3.33 A	50 mA	2450 mA	85
TP50W-24S24	9 – 36 V	24 VDC	2.08 A	50 mA	2476 mA	84
TP50W-24S48	9 – 36 V	48 VDC	1.04 A	50 mA	2506 mA	83
TP50W-48S3.3	18 – 75 V	3.3 VDC	10 A	50 mA	848 mA	81
TP50W-48S05	18 – 75 V	5 VDC	10 A	50 mA	1255 mA	83
TP50W-48S12	18 – 75 V	12 VDC	4.16 A	50 mA	1223 mA	85
TP50W-48S15	18 – 75 V	15 VDC	3.33 A	50 mA	1196 mA	87
TP50W-48S24	18 – 75 V	24 VDC	2.08 A	50 mA	1209 mA	86
TP50W-48S48	18 – 75 V	48 VDC	1.04 A	50 mA	1238 mA	84

All Specifications are Typical at Nominal Line, Full load, and 25°C Unless Otherwise Noted / © TP 2009

### INPUT SPECIFICATIONS

INPUT UNDER-VOLTAGE LOCKOUT.....	12Vin power down .....	8V typ
	12Vin power up....	8.8V typ
	24Vin power down.....	16V typ
	24Vin power up .....	17V typ
	48Vin power down .....	32.5V typ
	48Vin power up.....	34V typ
INPUT FILTER.....		PI Type

### OUTPUT SPECIFICATIONS

Voltage Accuracy.....		±1.5% max
Ripple and Noise, 20MHz BW .....	Vo = 2,5 & 3,3V & 5V.....	max. 100mVpp.
	Vo = 12V & 15V.....	max. 150mVpp.
	Vo = 24V.....	max. 240mVpp.
Temperature Coefficient .....		±0.03%/C max
Line Regulation .....		±0.2%.
Load Regulation .....		±0.2%.
External Trim Adj. Range .....		±10%
Short Circuit Protection .....		continuous
Over Voltage Protection.....		115 – 140%
Current Limit .....		110% - 140% Nominal Output

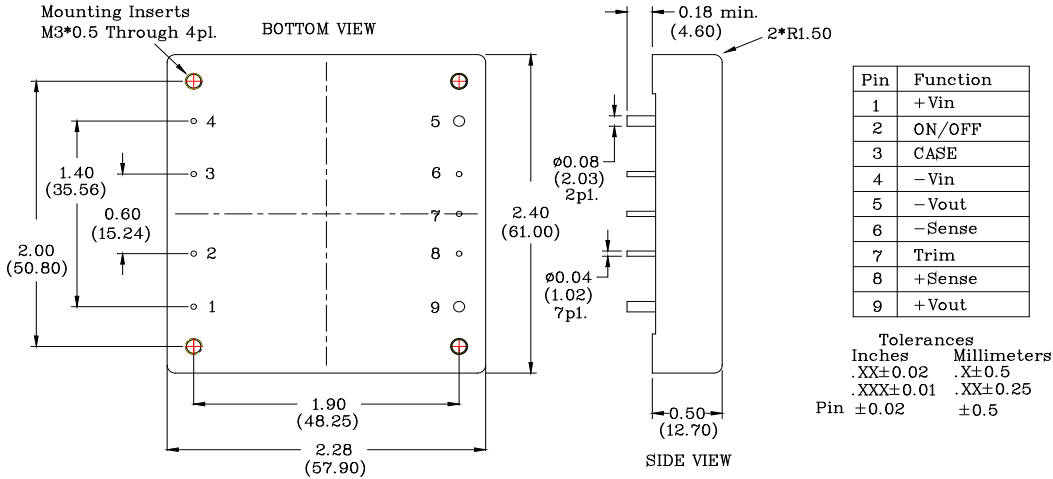
### GENERAL SPECIFICATIONS

ISOLATION VOLTAGE.....	1500VDC max.
ISOLATION RESISTANCE .....	10 MOhm
SWITCHING FREQUENCY.....	300KHz typ.
OPERATING TEMPERATURE RANGE.....	-40°C TO +100°C
THERMAL SHUT DOWN; CASE TEMPERATURE .....	100°Cmax.
STORAGE TEMPERATURE RANGE.....	-40°C TO +105°C
CASE MATERIAL .....	Aluminium
DIMENSIONS .....	2,28x2,40x0.50 INCHES (57.9 × 61.0 × 12.7mm)

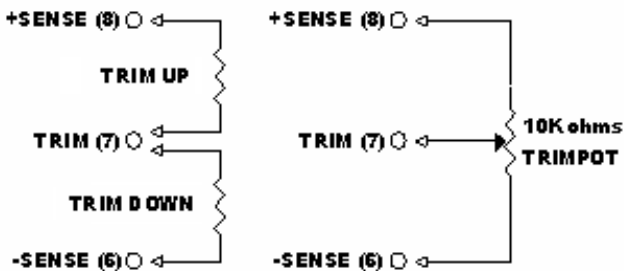
#### NOTE:

1. LINE REGULATION: Measured From High Line To Low Line
2. LOAD REGULATION: Measured From Full Load To Zero Load

### MECHANICAL SPECIFICATIONS



### External Output TRIM



### REMOTE ON/OFF

Logic Compatibility      Open collector TTL refer to -  
 Input  
 Modul ON                  Open Circuit  
 Module OFF                <0.8 Vdc

