

- **2:1 Input Range**
- **Efficiency to 85%**
- **Half-brick Package**
- **OCP/ OVP/ OTP**
- **continuous short circuit Protection**
- **Remote ON/OFF**



Model Number	Input Voltage	Output Voltage	Output Current	Input	Current	% Eff.
				No Load	Full Load	
TP100-24S2.5	18 – 36 V	2.5 VDC	20 A	50 mA	2705 mA	77
TP100-24S3.3	18 – 36 V	3.3 VDC	20 A	50 mA	3480 mA	79
TP100-24S05	18 – 36 V	5 VDC	20 A	50 mA	5020 mA	83
TP100-24S12	18 – 36 V	12 VDC	8.3 A	50 mA	4880 mA	85
TP100-24S15	18 – 36 V	15 VDC	6.7 A	50 mA	4925 mA	85
TP100-24S24	18 – 36 V	24 VDC	4.17 A	50 mA	4905 mA	85
TP100-48S2.5	36 – 75 V	2.5 VDC	20 A	50 mA	1335 mA	78
TP100-48S3.3	36 – 75 V	3.3 VDC	20 A	50 mA	1720 mA	80
TP100-48S05	36 – 75 V	5 VDC	20 A	50 mA	2480 mA	84
TP100-48S12	36 – 75 V	12 VDC	8.3 A	50 mA	2442 mA	85
TP100-48S15	36 – 75 V	15 VDC	6.7 A	50 mA	2463 mA	85
TP100-48S24	36 – 75 V	24 VDC	4.17 A	50 mA	2463 mA	85

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

INPUT SPECIFICATIONS

INPUT UNDER-VOLTAGE LOCKOUT.....	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

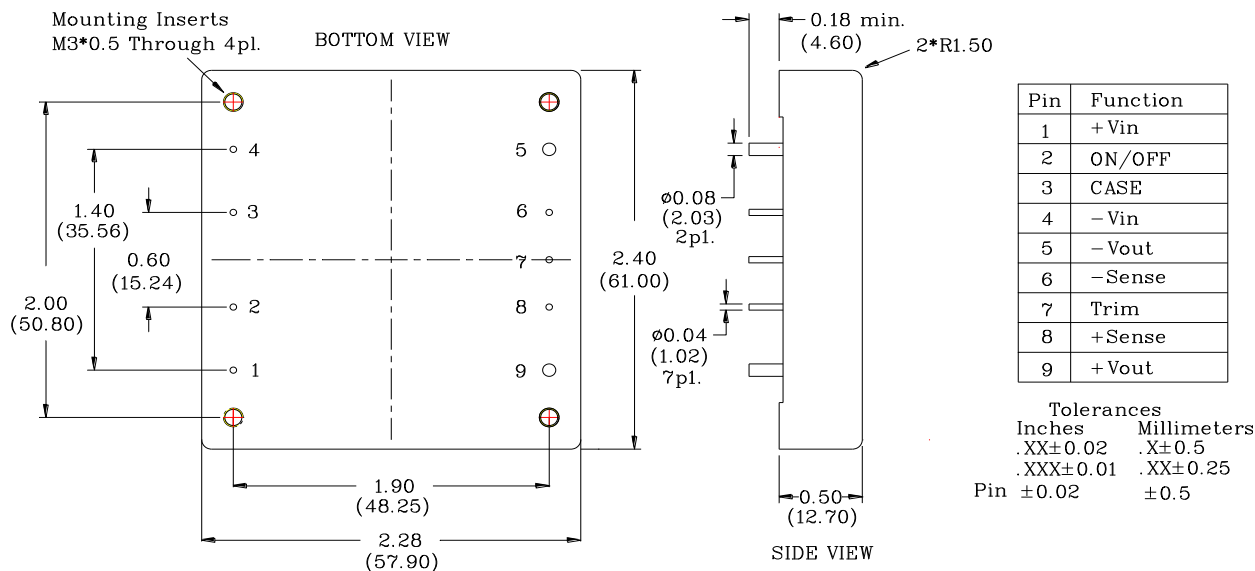
GENERAL SPECIFICATIONS

ISOLATION VOLTAGE.....		1500VDC max.
ISOLATION RESISTANCE		10 MOhm
SWITCHING FREQUENCY.....		500KHz 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	2,28×2,40×0.50 INCHES	(57.9 × 61.0 × 12.7mm)

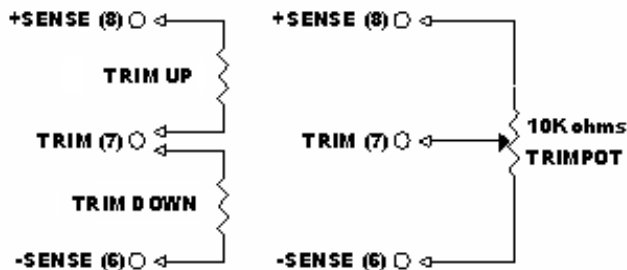
NOTE:

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

