

- **4:1 Input Range**
- **Efficiency to 89%**
- **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.
TP100W-24S3.3	9 – 36 V	3.3 VDC	20 A	35 mA	3374 mA	82
TP100W-24S05	9 – 36 V	5 VDC	20 A	35 mA	4990 mA	84
TP100W-24S12	9 – 36 V	12 VDC	8.3 A	35 mA	4902 mA	85
TP100W-24S15	9 – 36 V	15 VDC	6.7 A	35 mA	4817 mA	87
TP100W-24S24	9 – 36 V	24 VDC	4.17 A	35 mA	4849 mA	87
TP100W-24S48	9 – 36 V	48 VDC	2.08 A	35 mA	5042 mA	82
TP100W-48S3.3	18 – 75 V	3.3 VDC	20 A	30 mA	1708 mA	82
TP100W-48S05	18 – 75 V	5 VDC	20 A	30 mA	2422 mA	86
TP100W-48S12	18 – 75 V	12 VDC	8.3 A	30 mA	2408 mA	87
TP100W-48S15	18 – 75 V	15 VDC	6.7 A	30 mA	2381 mA	88
TP100W-48S24	18 – 75 V	24 VDC	4.17 A	30 mA	2367 mA	89
TP100W-48S48	18 – 75 V	48 VDC	2.08 A	30 mA	2462 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	8V typ
	24Vin power up.....	8.8V typ
	48Vin power down	16V typ
	48Vin power up.....	17V typ
INPUT FILTER.....		PI Type

OUTPUT SPECIFICATIONS

Voltage Accuracy.....		±1.5% max
Ripple and Noise, 20MHz BW	Vo = 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% - 150% Nominal Output

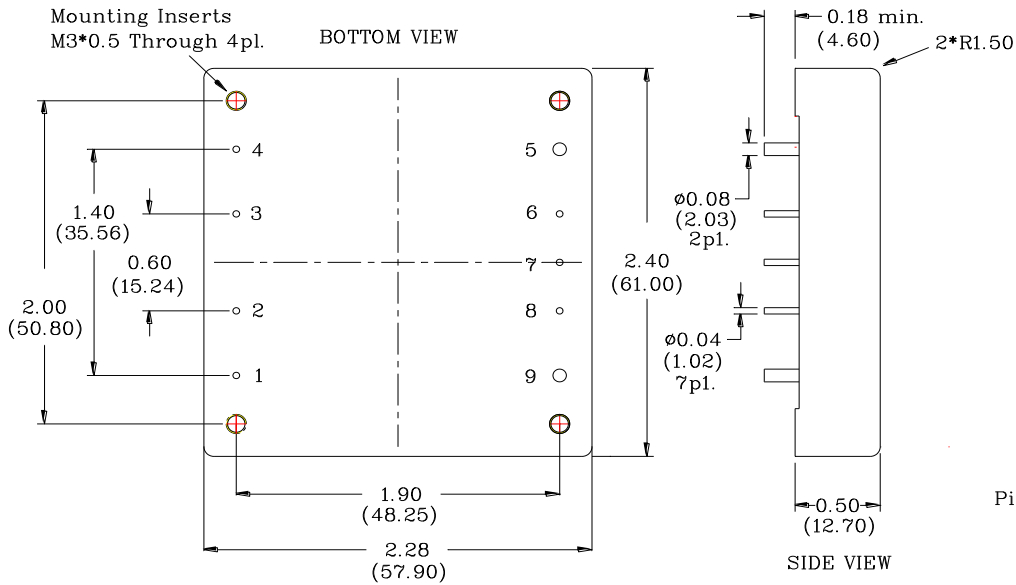
GENERAL SPECIFICATIONS

ISOLATION VOLTAGE.....	1500VDC max.
ISOLATION RESISTANCE	10 MOhm
SWITCHING FREQUENCY.....	250KHz 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

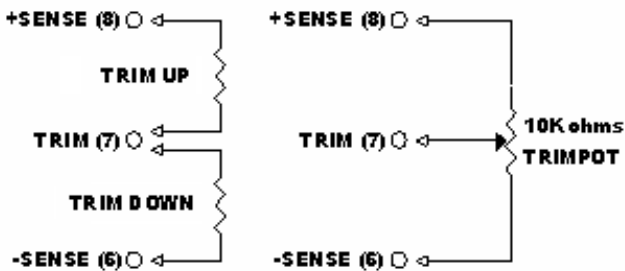


Pin	Function
1	+ Vin
2	ON/OFF
3	CASE
4	- Vin
5	- Vout
6	-Sense
7	Trim
8	+Sense
9	+Vout

Tolerances

Inches	Millimeters
.XX±0.02	.X±0.5
.XXX±0.01	.XX±0.25
Pin ±0.02	±0.5

External Output TRIM REMOTE ON/OFF



Logic Compatibility Open collector TTL refer to -Input
 Modul ON > 3.5V or Open Circuit
 Module OFF <1.8 Vdc

