

- **2:1 & 4:1 Input Range**
- **Efficiency to 86%**
- **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.
TP75-12S2.5	9 – 18 V	2.5 VDC	15 A	50 mA	4110 mA	76
TP75-12S3.3	9 – 18 V	3.3 VDC	15 A	50 mA	5290 mA	78
TP75-12S05	9 – 18 V	5 VDC	15 A	50 mA	7715 mA	81
TP75-12S12	9 – 18 V	12 VDC	6.25 A	50 mA	7440 mA	84
TP75-12S15	9 – 18 V	15 VDC	5 A	50 mA	7440 mA	84
TP75-12S24	9 – 18 V	24 VDC	3.13 A	50 mA	7440 mA	84
TP75-24S2.5	18 – 36 V	2.5 VDC	15 A	50 mA	2029 mA	77
TP75-24S3.3	18 – 36 V	3.3 VDC	15 A	50 mA	2610 mA	79
TP75-24S05	18 – 36 V	5 VDC	15 A	50 mA	3810 mA	82
TP75-24S12	18 – 36 V	12 VDC	6.25 A	50 mA	3675 mA	85
TP75-24S15	18 – 36 V	15 VDC	5 A	50 mA	3675 mA	85
TP75-24S24	18 – 36 V	24 VDC	3.13 A	50 mA	3640 mA	86
TP75-48S2.5	36 – 75 V	2.5 VDC	15 A	50 mA	1015 mA	77
TP75-48S3.3	36 – 75 V	3.3 VDC	15 A	50 mA	1305 mA	79
TP75-48S05	36 – 75 V	5 VDC	15 A	50 mA	1883 mA	83
TP75-48S12	36 – 75 V	12 VDC	6.25 A	50 mA	1838 mA	85
TP75-48S15	36 – 75 V	15 VDC	5 A	50 mA	1838 mA	85
TP75-48S24	36 – 75 V	24 VDC	3.13 A	50 mA	1820 mA	86

TP75W-24S3.3	9 – 36 V	3.3 VDC	15 A	50 mA	2611 mA	79
TP75W-24S05	9 – 36 V	5 VDC	15 A	50 mA	3811 mA	82
TP75W-24S12	9 – 36 V	12 VDC	6.25 A	50 mA	3765 mA	83
TP75W-24S15	9 – 36 V	15 VDC	5 A	50 mA	3720 mA	84
TP75W-24S24	9 – 36 V	24 VDC	3.13 A	50 mA	3720 mA	84
TP75W-48S3.3	18 – 75 V	3.3 VDC	15 A	50 mA	1289 mA	80
TP75W-48S05	18 – 75 V	5 VDC	15 A	50 mA	1883 mA	83
TP75W-48S12	18 – 75 V	12 VDC	6.25 A	50 mA	1860 mA	84
TP75W-48S15	18 – 75 V	15 VDC	5 A	50 mA	1838 mA	85
TP75W-48S24	18 – 75 V	24 VDC	3.13 A	50 mA	1835 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.....	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
POSITIVE LOGIC REMOTE ON/OFF CONTROL		
Logic Compatibility .....	Open Collector TTL, ref. to -Vin	
Module ON .....	Open Circuit	
Module OFF.....	<0.8 Vdc	
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% - 150% Nominal Output	

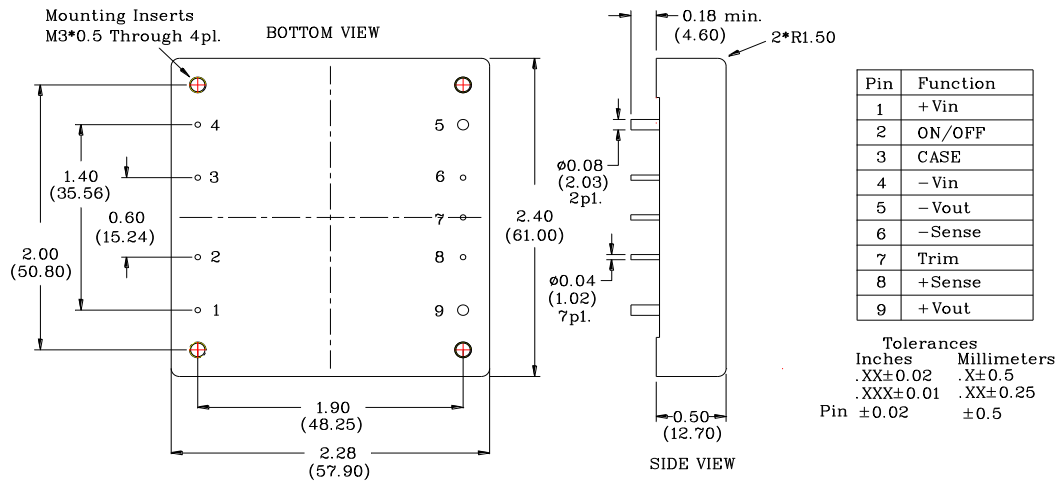
### GENERAL SPECIFICATIONS

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)

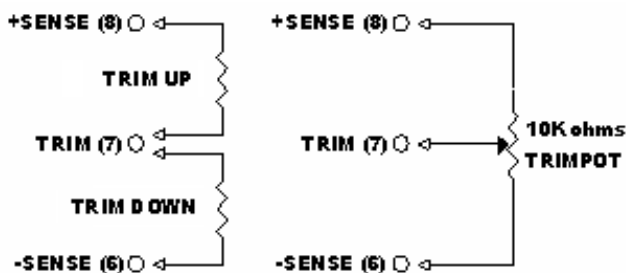
#### NOTE:

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

