

- **2:1 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 Current		% Eff.
				No Load	Full Load	
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	7530 mA	83
TP75-12S12	9 – 18 V	12 VDC	6.25 A	50 mA	7183 mA	87
TP75-12S15	9 – 18 V	15 VDC	5 A	50 mA	7267 mA	86
TP75-12S24	9 – 18 V	24 VDC	3.13 A	50 mA	7183 mA	87
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	2578 mA	80
TP75-24S05	18 – 36 V	5 VDC	15 A	50 mA	3720 mA	84
TP75-24S12	18 – 36 V	12 VDC	6.25 A	50 mA	3551 mA	88
TP75-24S15	18 – 36 V	15 VDC	5 A	50 mA	3551 mA	88
TP75-24S24	18 – 36 V	24 VDC	3.13 A	50 mA	3551 mA	88
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	1273 mA	81
TP75-48S05	36 – 75 V	5 VDC	15 A	50 mA	1860 mA	84
TP75-48S12	36 – 75 V	12 VDC	6.25 A	50 mA	1755 mA	89
TP75-48S15	36 – 75 V	15 VDC	5 A	50 mA	1775 mA	88
TP75-48S24	36 – 75 V	24 VDC	3.13 A	50 mA	1755 mA	89

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	

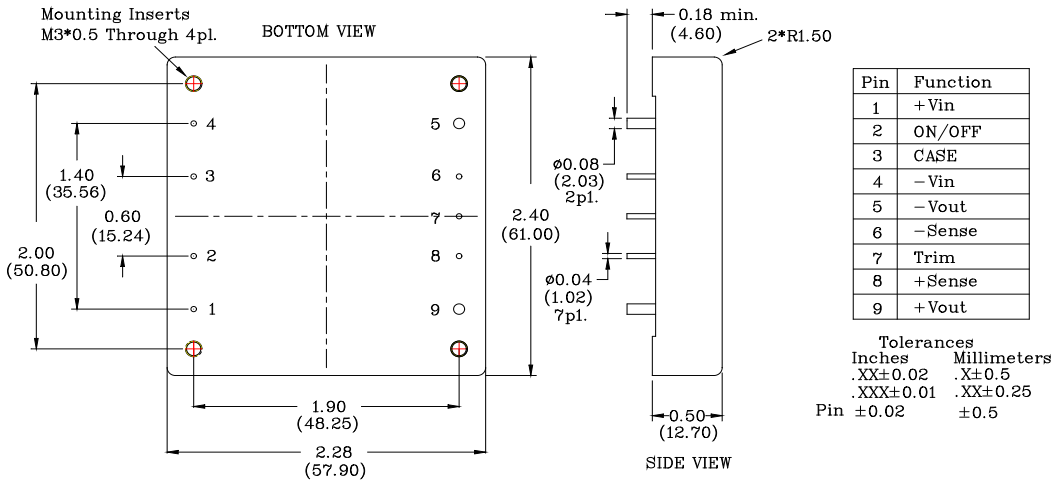
GENERAL SPECIFICATIONS

ISOLATION VOLTAGE.....	1500VDC max.
ISOLATION RESISTANCE	10 MOhm
SWITCHING FREQUENCY.....	300KHz typ.
OPERATING TEMPERATURE RANGE.....	-40°C TO +100°C
THERMAL SHUT DOWN; CASE TEMPERATURE	100°Cmax.
STORAGE TEMPERATURE RANGE.....	-55°C TO +105°C
CASE MATERIAL	Aluminium
DIMENSIONS	2,28×2,40×0.50 INCHES (57.9 × 61.0 × 12.7mm)

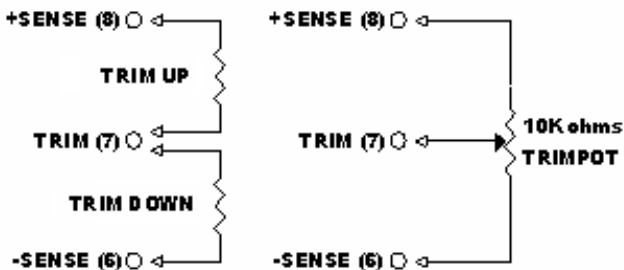
NOTE:

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

