



### OUTPUT SPECIFICATIONS

Voltage Accuracy.....		±1.5% max
Ripple and Noise, 20MHz BW .....	5V .....	max. 100mVpp.
	12V .....	max. 150mVpp.
	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% - 180% Nominal Output
Start up time .....		45ms typ.

### GENERAL SPECIFICATIONS

ISOLATION VOLTAGE.....	Input/Output, Input/ Case .....	2250VDC min.
	Output/Case .....	1500VDC min.
ISOLATION RESISTANCE .....		10 MOhm
ISOLATION CAPACITANCE .....		1000pF typ.
SWITCHING FREQUENCY.....		200KHz typ.
OPERATING TEMPERATURE RANGE.....		-40°C TO +100°C
THERMAL SHUT DOWN; CASE TEMPERATURE .....		105°C typ.
STORAGE TEMPERATURE RANGE.....		-55°C TO +105°C
Safety .....	UL 60950-1 2 <sup>nd</sup> (basic insulation), approval	
EMC (note 7) .....	Meet EN50155 with external filter	
Shock/Vibration .....	Meet EN50155 (EN60068-2-1)	
CASE MATERIAL .....	Aluminium Base Plate with Plastic Case	
DIMENSIONS .....	2,28x2,40x0.50 INCHES (57.9 × 61.0 × 12.7mm)	
WEIGHT .....		90g

#### NOTE:

1. LINE REGULATION: Measured From High Line To Low Line
2. LOAD REGULATION: Measured From Full Load To Zero Load
3. Output ripple and noise is measured with 10µF tantalum and 1µF Ceramic capacitor across output
4. Suffix "N" to the Model Number with negative logic remote ON/OFF
5. Suffix "C" to the Model Number with clear mounting insert (3.2mm DIA.)
6. An external input capacitor 220µF for all models are recommended to reduce input ripple voltage
7. Design meet EN50155 refer to application note

### ORDERING INSTRUCTIONS

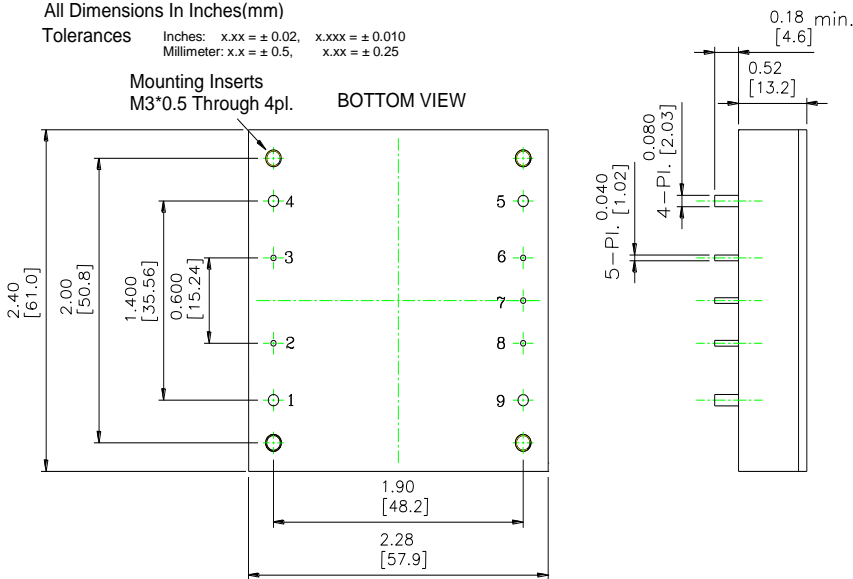
TP150T - 110 S 12 N

Series	Input	Single	Output	Option N (negative logic remote ON/OFF)
				C (Clear Mountign Insert 3.2mm)

### MECHANICAL SPECIFICATIONS

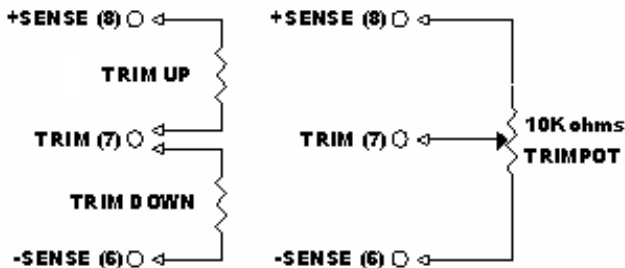
All Dimensions In Inches(mm)

Tolerances Inches: x.xx = ± 0.02, x.xxx = ± 0.010  
 Millimeter: x.x = ± 0.5, x.xx = ± 0.25



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

### External Output TRIM      REMOTE ON/OFF CONTROL



Logic Compatibility      CMOS or Open collector TTL ref. to -Vin  
 Modul ON                    >+3.5 to 75VDC or Open Circuit  
 Module OFF                 <1.8 Vdc

