

- **2:1 Input Range**
- **Meets EN55022 Class A**
- **2" x 1" Package**
- **Option: Remote ON/OFF**
- **Option: Ext. Output Trim**



Model Number	Input Voltage	Output Voltage	Output Current	Input No Load	Current Full Load	% Eff.
TP15-12S3.3	9-18 V	3.3 VDC	3000 mA	20 mA	1086 mA	76
TP15-12S05	9-18 V	5 VDC	3000 mA	20 mA	1602 mA	78
TP15-12S12	9-18 V	12 VDC	1250 mA	20 mA	1524 mA	82
TP15-12S15	9-18 V	15 VDC	1000 mA	20 mA	1524 mA	82
TP15-12D05	9-18 V	±5V	±625 mA	30 mA	1506 mA	82
TP15-12D12	9-18 V	±12V	±500 mA	30 mA	1506 mA	82
TP15-12D15	9-18 V	±15V	±1500 mA	30 mA	1563 mA	82
TP15-24S3.3	18 -36 V	3.3 VDC	3000 mA	20 mA	543 mA	82
TP15-24S05	18 -36 V	5 VDC	3000 mA	20 mA	780 mA	82
TP15-24S12	18 -36 V	12 VDC	1250 mA	20 mA	762 mA	82
TP15-24S15	18 -36 V	15 VDC	1000 mA	20 mA	762 mA	82
TP15-24D05	18 -36 V	±5V	±625 mA	25 mA	755 mA	82
TP15-24D12	18 -36 V	±12V	±500 mA	25 mA	755 mA	82
TP15-24D15	18 -36 V	±15V	±1500 mA	25 mA	772 mA	82
TP15-48S3.3	36 – 72 V	3.3 VDC	3000 mA	15 mA	271 mA	82
TP15-48S05	36 – 72 V	5 VDC	3000 mA	15 mA	391 mA	82
TP15-48S12	36 – 72 V	12 VDC	1250 mA	15 mA	377 mA	82
TP15-48S15	36 – 72 V	15 VDC	1000 mA	15 mA	377 mA	82
TP15-48D05	36 – 72 V	±5V	±625 mA	20 mA	377 mA	82
TP15-48D12	36 – 72 V	±12V	±500 mA	20 mA	377 mA	82
TP15-48D15	36 – 72 V	±15V	±1500 mA	20 mA	381 mA	82

All Specifications are Typical at Nominal Line, Full load, and 25°C Unless Otherwise Noted / © TECHNO-PROJEKT 2007

### INPUT SPECIFICATIONS

INPUT VOLTAGE RANGE .....	12V.....	9-18V
	24V.....	18-36V
	48V.....	36-72V
INPUT FILTER.....		PI Type

### OUTPUT SPECIFICATIONS

Voltage Accuracy.....		±1.5% max
RIPPLE AND NOISE, 20MHz BW .....		max. 75mVpp.
Temperature Coefficient .....		±0.03%/C max
Line Regulation <sup>1</sup> .....		±0.2%.
Load Regulation <sup>2</sup> .....		±1%.
Over Voltage Protection.....	(Zenerdiode)	
3.3V .....	3.9V typ.	5V .....
12V .....	15V typ.	15V .....
Short Circuit Protection .....		continuous
EXTERNAL TRIM ADJUSTABLE RANGE .....		±10%

### GENERAL SPECIFICATIONS

ISOLATION VOLTAGE.....	500VDC max.
ISOLATION RESISTANCE .....	100 MOhm
SWITCHING FREQUENCY.....	300KHz typ.
OPERATING TEMPERATURE RANGE.....	-40°C TO +71°C
DERATING, ABOVE 71°C .....	LINEARY TO ZERO POWER AT 100 °C
THERMAL SHUT DOWN; CASE TEMPERATURE .....	100°Cmax.
STORAGE TEMPERATURE RANGE.....	-40°C TO +100°C
CASE MATERIAL .....	Black Coated Copper with Non-Conductive Base
DIMENSIONS .....	2,00×1,00×0,40 INCHES (50.8 × 25.4 × 10.2mm)

#### NOTE:

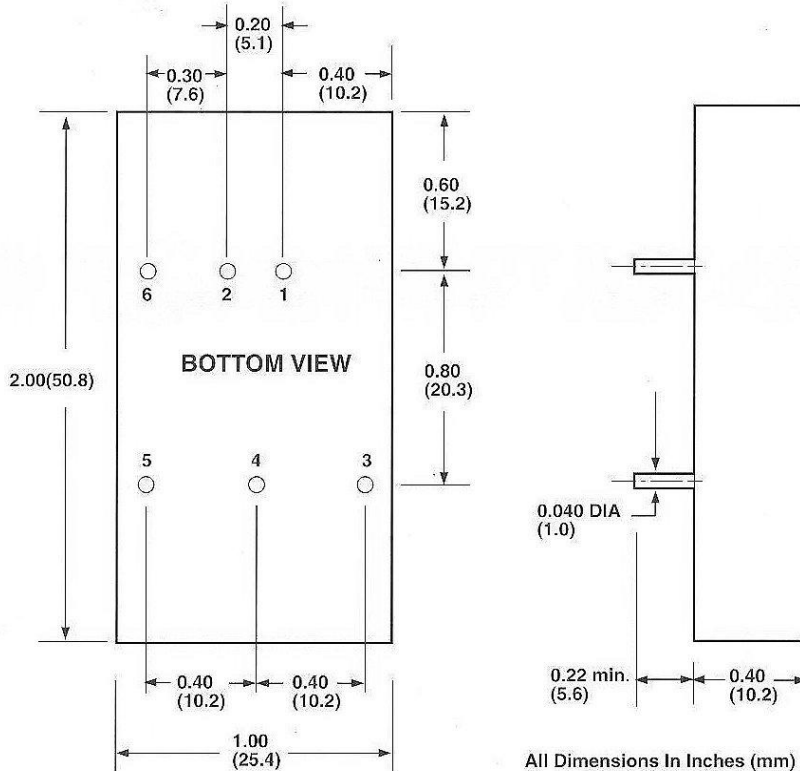
1. Measured From High Line To Low Line
2. Measured From Full Load To 10% Load
3. Maximum case temperature under any operating conditions should not exceed 100°C
4. Suffix "R" for Model Number with Remote ON/OFF and ext. Trim Adjust.

### Ordering Instructions

TP15 - 24 S 12 R

Series	Input	Single	Output	Option R (Remote ON/OFF and ext. Trim adjust.)
		Dual		

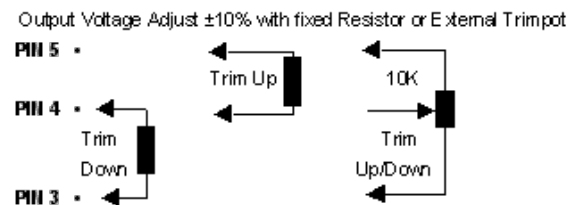
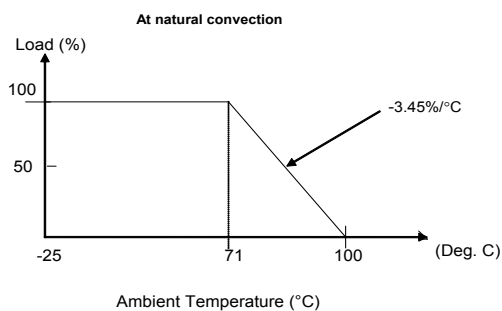
### MECHANICAL SPECIFICATIONS



Pin	Function
1	+V Input
2	-V Input
3	+V Output
4	Common/ NP/ Trim (Opt)
5	-V Output
6	NP/ Remote (Opt)

NOTE: Pin Size = 0.02" (0.5mm) Ø

### POWER DERATING External Output TRIM



### REMOTE ON/OFF CONTROL

Logic Compatibility    Open collector TTL, refer to -Vin  
 Modul ON                > 5.5V or Open Circuit  
 Module OFF             <1.8 Vdc