

- 4:1 Input Range
- Efficiency to 90%
- 2" x 1" Package
- continuous short circuit Protection
- Ext. Output Trim



Model Number	Input Voltage	Output Voltage	Output Current	Input No Load	Current Full Load	% Eff.
TP20WI-24S3.3	9 -36 V	3.3 VDC	5500 mA	55 mA	869 mA	87
TP20WI-24S05	9 -36 V	5 VDC	4000 mA	55 mA	926 mA	90
TP20WI-24S12	9 -36 V	12 VDC	1670 mA	55 mA	928 mA	90
TP20WI-24S15	9 -36 V	15 VDC	1330 mA	55 mA	924 mA	90
TP20WI-48S3.3	18 – 75 V	3.3 VDC	5500 mA	55 mA	430 mA	88
TP20WI-48S05	18 – 75 V	5 VDC	4000 mA	55 mA	463 mA	90
TP20WI-48S12	18 – 75 V	12 VDC	1670 mA	55 mA	464 mA	90
TP20WI-48S15	18 – 75 V	15 VDC	1330 mA	55 mA	462 mA	90

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

INPUT SPECIFICATIONS

INPUT UNDER-VOLTAGE LOCKOUT..... 24Vin power down.....16V typ
 24Vin power up17V typ
 48Vin power down 32V typ
 48Vin power up..... 34V typ

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 ¹	±0.2%.
Load Regulation ²	±1.0%.
Over Voltage Protection.....(Zenerdiode)	
Short Circuit Protection	continuous
EXTERNAL TRIM ADJUSTABLE RANGE	±10%

GENERAL SPECIFICATIONS

ISOLATION VOLTAGE.....	1500VDC max.
ISOLATION RESISTANCE	10 MOhm
SWITCHING FREQUENCY.....	350KHz typ.
OPERATING TEMPERATURE RANGE.....	-40°C TO +85°C
DERATING, ABOVE 60°C	LINEARY TO ZERO POWER AT 100 °C
THERMAL SHUT DOWN; CASE TEMPERATURE	100°Cmax.
STORAGE TEMPERATURE RANGE.....	-55°C TO +125°C
CASE MATERIAL	Black Coated Copper with Non-Conductive Base
DIMENSIONS	2,00×1,00×0,40 INCHES (50.8 × 25.4 × 10.2mm)

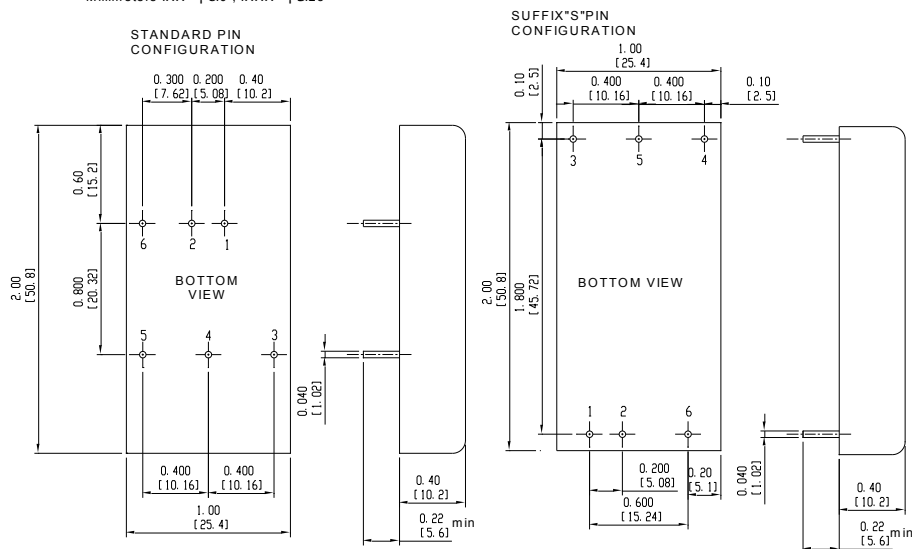
NOTE:

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 "S" for Model Number with Alternative Pin Configuration (only for single output)

MECHANICAL SPECIFICATIONS

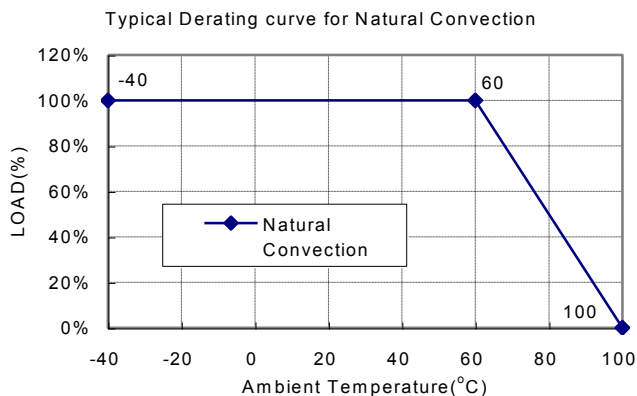
NOTE: Pin Size = 0.02" (0.5mm) Ø

All Dimensions In Inches (mm)
Tolerances Inches .XX= ±0.04 .XXX= ±0.10
Millimeters .XX= ±0.0 .XXX= ±0.25



PIN CONNECTION		
Pin	Single	Dual
1	+Vin	+Vin
2	-Vin	-Vin
3	+Vout	+Vout
4	Trim	Common
5	-Vout	-Vout
6	Remote ON/OFF	

POWER DERATING



REMOTE ON/OFF CONTROL

Logic Compatibility Open collector TTL refer to -Vin
Modul ON > 5.5V or Open Circuit
Module OFF <1.2 Vdc