

- 2" x 1.6" Package
- OVP/ OCP/ OTP
- 4:1 Input Range
- continuous short circuit Protection
- Efficiency to 91%



Model Number	Input Voltage	Output Voltage	Output Current	Input Current		% Eff.
				No Load	Full Load	
TP30WI-24S33	9 -36 V	3.3 VDC	7500 mA	50 mA	1172 mA	87
TP30WI-24S05	9 -36 V	5 VDC	6000 mA	60 mA	1404 mA	89
TP30WI-24S12	9 -36 V	12 VDC	2500 mA	80 mA	1374 mA	91
TP30WI-24S15	9 -36 V	15 VDC	2000 mA	50 mA	1374 mA	91
TP30WI-48S33	18 – 75 V	3.3 VDC	7500 mA	30 mA	586 mA	88
TP30WI-48S05	18 – 75 V	5 VDC	6000 mA	30 mA	694 mA	90
TP30WI-48S12	18 – 75 V	12 VDC	2500 mA	40 mA	687 mA	91
TP30WI-48S15	18 – 75 V	15 VDC	2000 mA	50 mA	687 mA	91

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.....	8.0V typ
	24Vin power up	8.8V typ
	48Vin power down	16V typ
	48Vin power up	17V typ
INPUT FILTER.....		PI Type

OUTPUT SPECIFICATIONS

VOLTAGE ACCURACY	±1.5% max.
TRANSIENT RESPONSE: 75% - 100% Step Load Change (Main Output)	
Error Band	±5% Vout nominal
Recovery Time	< 300us
EXTERNAL TRIM ADJUSTABLE RANGE	Vo±10%
RIPPLE AND NOISE, 20MHz BW (Measured with 0.1uF MLCC)	
3.3V & 5V	75mVpp,max.
12V & 15V	100mVpp, max.
TEMPERATURE COEFFICIENT.....	±0.02%/°C
LINE REGULATION ¹	±0.5% max.
LOAD REGULATION ²	±0.5% max.
OVER VOLTAGE PROTECTION (Zener Diode Clamp)...	3.3V.....3.9Vdc typ..... 5V 6.2Vdc typ
	12V.....15Vdc typ.....15V..... 18Vdc typ
SHORT CIRCUIT PROTECTION	continuous (Hiccup Mode)
OVER VOLTAGE PROTECTION.....	6.2V
OUTPUT CURRENT LIMIT, % NOMINAL OUTPUT.....	110%-150%

GENERAL SPECIFICATIONS

ISOLATION VOLTAGE.....	1500VDC max.
SWITCHING FREQUENCY.....	300KHz typ.
OPERATING TEMPERATURE RANGE.....	-40°C TO +85°C
DERATING, ABOVE 60°C	LINEARY TO ZERO POWER AT 100 °C
COOLING.....	Natural Convection, 20ft./min.(0.1m/s)
CASE TEMPERATURE	100°Cmax.
STORAGE TEMPERATURE RANGE.....	-55°C TO +125°C
THERMAL SHUTDOWN, CASE TEMPERATURE.....	110°C Typ.
DIMENSIONS	2.0×1,6×0.4 INCHES (50.8 × 40.6 × 10.2mm)
CASE MATERIAL	Black Coated Copper with Non-Conductive Base

NOTE:

1. LINE REGULATION: Measured From High Line To Low Line
2. LOAD REGULATION: Measured From Full Load To 10% Load
3. Maximum Case Temperature Under Any Operating Condition Should Not Be Exceeded 100°C

