

- **4:1 Input Range**
- **Meets EN55022 Class A**
- **Start up time: 10ms (typ).**
- **Short circuit protection**
- **Option: Remote ON/OFF**



Model Number	Input Voltage	Output Voltage	Output Current	Input No Load	Current Full Load	% Eff.
TP15WS-24S3.3	9 -36 V	3.3 VDC	4000 mA	60 mA	632 mA	87
TP15WS-24S05	9 -36 V	5 VDC	3000 mA	70 mA	718 mA	87
TP15WS-24S12	9 -36 V	12 VDC	1250 mA	30 mA	718 mA	87
TP15WS-24S15	9 -36 V	15 VDC	1000 mA	30 mA	710 mA	88
TP15WS-24D05	9 -36 V	±5V	±1500 mA	30 mA	735 mA	85
TP15WS-24D12	9 -36 V	±12V	±625 mA	30 mA	718 mA	87
TP15WS-24D15	9 -36 V	±15V	±500 mA	30 mA	710 mA	88
TP15WS-48S3.3	18 – 75 V	3.3 VDC	4000 mA	40 mA	313 mA	88
TP15WS-48S05	18 – 75 V	5 VDC	3000 mA	40 mA	355 mA	88
TP15WS-48S12	18 – 75 V	12 VDC	1250 mA	20 mA	359 mA	87
TP15WS-48S15	18 – 75 V	15 VDC	1000 mA	20 mA	359 mA	87
TP15WS-48D05	18 – 75 V	±5V	±1500 mA	20 mA	368 mA	85
TP15WS-48D12	18 – 75 V	±12V	±625 mA	20 mA	359 mA	87
TP15WS-48D15	18 – 75 V	±15V	±500 mA	20 mA	359 mA	87

All Specifications are Typical at Nominal Line, Full load, and 25°C Unless Otherwise Noted / © TECHNO-PROJEKT 2011

INPUT SPECIFICATIONS

INPUT VOLTAGE RANGE	24V	9-36V
	48V	18-75V
INPUT SURGE VOLTAGE (100ms max.)	24V	50VDC max
	48V	100VDC max
UNDER VOLTAGE LOCKOUT	24Vin power up	8.8V typ
	24Vin power down.....	8.0V typ
	48Vin power up	17V typ
	48Vin power down.....	16V typ
INPUT FILTER.....		PI Type

Technische Änderungen vorbehalten / Technical changes reserved

R14010

OUTPUT SPECIFICATIONS

Voltage Accuracy.....		±1.5% max
Voltage Balance (Dual)		±2.0% max
RIPPLE AND NOISE, 20MHz BW		max. 100mVpp.
Temperature Coefficient		±0.03%/C max
Line Regulation ¹	single	±0.2% max
	dual	±0.5% max
Load Regulation ²	single	±0.2% max
	dual	±1.0% max
Over Voltage Protection.....		Zenerdiode
Short Circuit Protection		continuous
Start up time		10ms typ.

GENERAL SPECIFICATIONS

ISOLATION VOLTAGE.....	1500VDC max.
ISOLATION RESISTANCE	1 MOhm
SWITCHING FREQUENCY.....	400KHz typ.
EMI/RFI	Conductive EMI meets EN55022 class A
Case Grounding	Connect Cae to -Vin with Decoupling Y Cap
OPERATING TEMPERATURE RANGE.....	-40°C TO +85°C
DERATING, ABOVE 78°C	LINEARY TO ZERO POWER AT 105 °C
CASE TEMPERATURE ³	105°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; min load = 0mA
3. Maximum case temperature under any operating conditions should not exceed 105°C
4. Suffix "R" for Model Number with Remote ON/OFF and ext. Trim Adjust.

Ordering Instructions

TP15WS - 24 S 12 R

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

