

- **2:1 Input Range**
- **Efficiency to 82%**
- **Isolation Voltage 500V/ 1500V**
- **Option: Extended Temp. Range**
- **2" x 2" Package**



Model Number	Input Voltage	Output Voltage	Output Current	Input No Load	Current Full Load	% Eff.
TP15W-24S3.3	9-36 V	3.3 VDC	3000 mA	15 mA	545 mA	76
TP15W-24S05	9-36 V	5 VDC	3000 mA	15 mA	810 mA	77
TP15W-24S12	9-36 V	12 VDC	1250 mA	15 mA	780 mA	80
TP15W-24S15	9-36 V	15 VDC	1000 mA	15 mA	780 mA	80
TP15W-24D05	9-36 V	±5V	±625 mA	20 mA	810 mA	77
TP15W-24D12	9-36 V	±12V	±500 mA	20 mA	780 mA	80
TP15W-24D15	9-36 V	±15V	±1500 mA	20 mA	780 mA	80
TP15W-24T512	9-36 V	5V/±12V	1500/±310 mA	20 mA	780 mA	80
TP15W-24T515	9-36 V	5V/±15V	1500/±250 mA	20 mA	780 mA	80
TP15W-48S3.3	18 – 72 V	3.3 VDC	3000 mA	15 mA	270 mA	76
TP15W-48S05	18 – 72 V	5 VDC	3000 mA	15 mA	410 mA	77
TP15W-48S12	18 – 72 V	12 VDC	1250 mA	15 mA	390 mA	80
TP15W-48S15	18 – 72 V	15 VDC	1000 mA	15 mA	390 mA	80
TP15W-48D05	18 – 72 V	±5V	±625 mA	10 mA	400 mA	79
TP15W-48D12	18 – 72 V	±12V	±500 mA	10 mA	380 mA	82
TP15W-48D15	18 – 72 V	±15V	±1500 mA	10 mA	380 mA	82
TP15W-48T512	18 – 72 V	5V/±12V	1500/±310 mA	10 mA	380 mA	82
TP15W-48T515	18 – 72 V	5V/±15V	1500/±250 mA	10 mA	380 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.....	24Vin.....	9V-36V
	48Vin	18V-72V
INPUT FILTER.....		PI Type

OUTPUT SPECIFICATIONS

Voltage Accuracy	Single	±1.0%max.
	Dual + Output	±1.0% max.
	Dual – Output	±3.0% max.
	Triple	±2.0% max
	5V	±3.0% max.
	12V&15V	±3.0% max.
Voltage Balance(Dual)		±1.0% max.
Transient Response: 25% Step Load Change		< 500us
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External Trim Adjust. Range		±10%
Ripple & Noise, 20MHz BW		75mVpp, max
Temperature Coefficient		±0.02%/°C
Line Regulation ¹	Single/Dual	±0.2% max.
	Triple.....	±1.0% max.
Load Regulation ²	Single/Dual	±1.0% max.
	Triple	±5.0% max.
Output Short Circuit Protection		Continuous

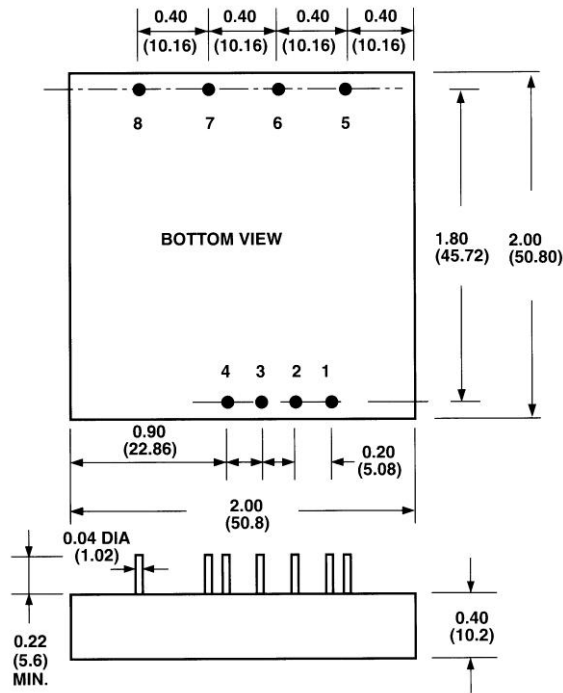
GENERAL SPECIFICATIONS

ISOLATION VOLTAGE.....	500VDC min
ISOLATION RESISTANCE	1000 MOhm
SWITCHING FREQUENCY.....	300KHz typ.
OPERATING TEMPERATURE RANGE.....	-40°C TO +71°C
DERATING, ABOVE 71°C	LINEARY TO ZERO POWER AT 100 °C
CASE TEMPERATURE	100°Cmax.
STORAGE TEMPERATURE RANGE.....	-55°C TO +105°C
CASE MATERIAL	Black Coated Copper with Non-Conductive Base
DIMENSIONS	2,00×2,00×0,40 INCHES (50.8 × 50.8 × 10.2mm)

NOTE:

1. Measured From High Line To Low Line
2. Measured From Full Load To 25% Load
3. Maximum case temperature under any operating conditions should not exceed 100°C

MECHANICAL SPECIFICATIONS	PIN CONNECTION
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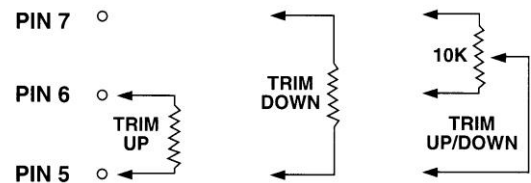
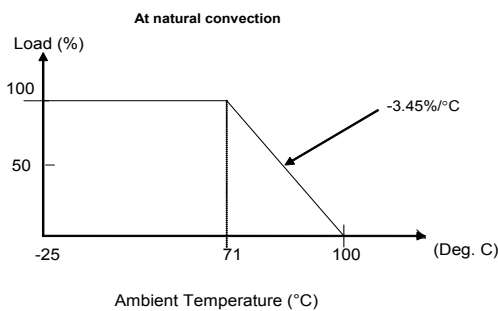


NOTE: Pin Size = 0.02" (0.5mm) Ø

Pin	PIN CONNECTION		
	SINGLE	DUAL	TRIPLE
1	Remote ON/OFF		
2	NP	NP	NP
3	- Vin	- Vin	- Vin
4	+ Vin	+ Vin	+ Vin
5	TRIM	TRIM	- Aux Out
6	- Vout	- Vout	Common
7	+ Vout	Common	+ 5V
8	NP	+ Vout	+ Aux Out

OUTPUT (Pin Nr)	Voltage	Ampere	
		Min (2)	Nom.
7	+ 5	0.25	1.5
8 & 5	+ 12 & -12	0.1	0.31
8 & 5	+ 15 & -15	0.1	0.25

DERATING CURVE	EXT TRIM ADJUST.
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REMOTE ON/OFF CONTROL

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