

- 2:1 Input Range
- Efficiency to 82%
- 2" x 1" Package
- continuous short circuit Protection
- Option: Meets EN55022 Class B



Model Number	Input Voltage	Output Voltage	Output Current	Input No Load	Current Full Load	% Eff.
TP7.5-12S3.3	9-18 V	3.3 VDC	1500 mA	7.5 mA	557 mA	74
TP7.5-12S05	9-18 V	5 VDC	1500 mA	7.5 mA	820 mA	76
TP7.5-12S12	9-18 V	12 VDC	625 mA	7.5 mA	780 mA	80
TP7.5-12S15	9-18 V	15 VDC	500 mA	7.5 mA	780 mA	80
TP7.5-12D05	9-18 V	±5V	±750 mA	7.5 mA	755 mA	76
TP7.5-12D12	9-18 V	±12V	±310 mA	12 mA	780 mA	80
TP7.5-12D15	9-18 V	±15V	±250 mA	12 mA	820 mA	80
TP7.5-24S3.3	18-36 V	3.3 VDC	1500 mA	5 mA	271 mA	76
TP7.5-24S05	18-36 V	5 VDC	1500 mA	5 mA	400 mA	78
TP7.5-24S12	18-36 V	12 VDC	625 mA	5 mA	380 mA	82
TP7.5-24S15	18-36 V	15 VDC	500 mA	5 mA	380 mA	82
TP7.5-24D05	18-36 V	±5V	±750 mA	7.5 mA	385 mA	78
TP7.5-24D12	18-36 V	±12V	±310 mA	7.5 mA	385 mA	81
TP7.5-24D15	18-36 V	±15V	±250 mA	7.5 mA	400 mA	81
TP7.5-48S3.3	36-72 V	3.3 VDC	1500 mA	3 mA	136 mA	76
TP7.5-48S05	36-72 V	5 VDC	1500 mA	2 mA	200 mA	78
TP7.5-48S12	36-72 V	12 VDC	625 mA	2 mA	192 mA	81
TP7.5-48S15	36-72 V	15 VDC	500 mA	2 mA	192 mA	81
TP7.5-48D05	36-72 V	±5V	±750 mA	3 mA	192 mA	78
TP7.5-48D12	36-72 V	±12V	±310 mA	3 mA	192 mA	81
TP7.5-48D15	36-72 V	±15V	±250 mA	3 mA	200 mA	81

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 typ
	24V	18-36V typ
	48V	36-72V typ
INPUT FILTER.....		PI Type

OUTPUT SPECIFICATIONS

Voltage Accuracy.....		±2% max
RIPPLE AND NOISE, 20MHz BW	3.3V & 5V	max. 100mVpp
	12V & 15V	Max 1% p-p max
Temperature Coefficient		±0.05%/C max
Line Regulation ¹	Single/ Dual	±0.5%.
Load Regulation ²	Single	±0.5%.
	Dual ³	±1%.
Short Circuit Protection		continuous

GENERAL SPECIFICATIONS

ISOLATION VOLTAGE.....	1500VDC max.
ISOLATION RESISTANCE	1000 MOhm
SWITCHING FREQUENCY.....	100KHz min
OPERATING TEMPERATURE RANGE.....	-25°C TO +71°C
DERATING, ABOVE 71°C	LINEARY TO ZERO POWER AT 100 °C
CASE TEMPERATURE ⁵	100°Cmax.
STORAGE TEMPERATURE RANGE.....	-40°C TO +100°C
EMI	Conductive EMI meets EN5022 Class B
CASE MATERIAL	Black Coated Copper with Non-Conductive Base
DIMENSIONS	2,00×1,00×0,40 INCHES (50.8 × 25.4 × 10.2mm)

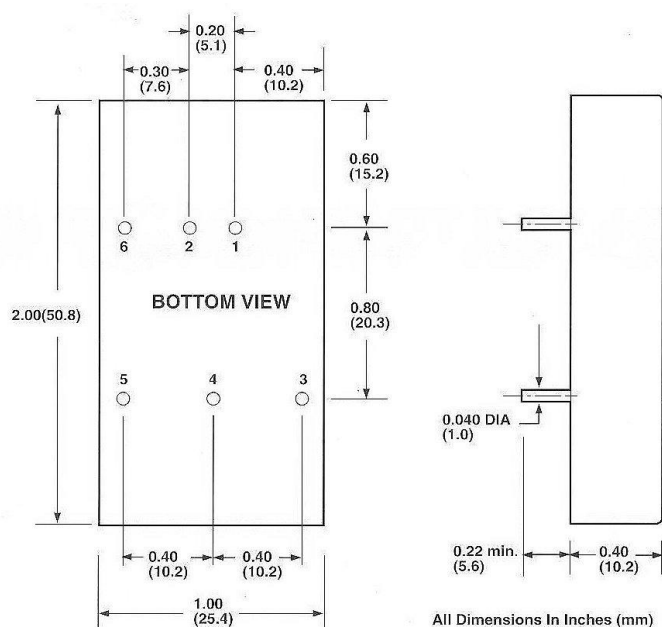
NOTE:

1. Measured From High Line To Low Line
2. Measured From Full Load To 10% Load
3. Measured From Full Load To 25% Load
4. Suffix "E" for Model Number to meet EMI EN5022 Class B and Remote ON/OFF
5. Maximum case temperature under any operating conditions should not exceed 100°C

Ordering Instructions

TP7.5	-	24	S	12	E
Series	Input	Single Dual	Output	E (EMI EN55022 Class B and Remote ON/OFF)	

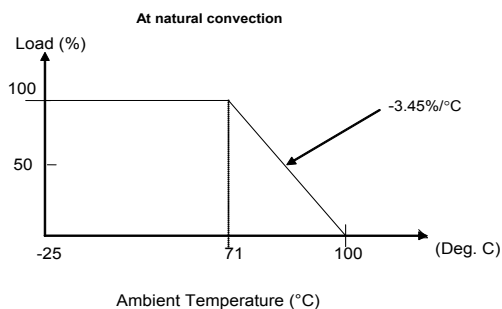
MECHANICAL SPECIFICATIONS



Pin	Function
1	+ Input
2	- Input
3	+ Output
4	Common/ NP
5	- Output
6	NP/Remote ON/OFF

NOTE: Pin Size = 0.02" (0.5mm) Ø

DERATING CURVE



REMOTE ON/OFF CONTROL

Logic Compatibility
Modul ON
Module OFF

Open collector TTL refer to -Input
> 5.5V or Open Circuit
<1.8 Vdc