

- **2:1 Input Range**
- **Meets EN55022 Class A**
- **2" x 1" Package**
- **Option: Ext. Temp Range**
- **Isolation Voltage: 500V/ 1500V**



Model Number	Input Voltage	Output Voltage	Output Current	Input No Load	Current Full Load	% Eff.
TP10-05S05	4.7-9 V	5 VDC	1600 mA	15 mA	2130 mA	75
TP10-05S12	4.7-9 V	12 VDC	666 mA	15 mA	2100 mA	76
TP10-05S15	4.7-9 V	15 VDC	533 mA	15 mA	2100 mA	76
TP10-05D05	4.7-9 V	±5V	±800 mA	15 mA	2100 mA	76
TP10-05D12	4.7-9 V	±12V	±333 mA	15 mA	2100 mA	76
TP10-05D15	4.7-9 V	±15V	±266 mA	15 mA	2100 mA	76
TP10-12S05	9-18 V	5 VDC	2000 mA	30 mA	1100 mA	76
TP10-12S12	9-18 V	12 VDC	830 mA	30 mA	1065 mA	78
TP10-12S15	9-18 V	15 VDC	666 mA	30 mA	1065 mA	78
TP10-12D05	9-18 V	±5V	±1000 mA	40 mA	1065 mA	78
TP10-12D12	9-18 V	±12V	±415 mA	40 mA	1065 mA	78
TP10-12D15	9-18 V	±15V	±333 mA	40 mA	1065 mA	78
TP10-24S05	18-36 V	5 VDC	2000 mA	20 mA	535 mA	78
TP10-24S12	18-36 V	12 VDC	830 mA	20 mA	520 mA	80
TP10-24S15	18-36 V	15 VDC	666 mA	20 mA	520 mA	80
TP10-24D05	18-36 V	±5V	±1000 mA	20 mA	520 mA	80
TP10-24D12	18-36 V	±12V	±415 mA	20 mA	520 mA	80
TP10-24D15	18-36 V	±15V	±333 mA	20 mA	520 mA	80
TP10-48S05	36 – 72 V	5 VDC	2000 mA	10 mA	260 mA	80
TP10-48S12	36 – 72 V	12 VDC	830 mA	10 mA	254 mA	82
TP10-48S15	36 – 72 V	15 VDC	666 mA	10 mA	254 mA	82
TP10-48D05	36 – 72 V	±5V	±1000 mA	10 mA	254 mA	82
TP10-48D12	36 – 72 V	±12V	±415 mA	10 mA	254 mA	82
TP10-48D15	36 – 72 V	±15V	±333 mA	10 mA	254 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 .....	5V .....	4.7V-9V
	12V.....	9-18V
	24V .....	18-36V
	48V .....	36-72V
INPUT FILTER.....		PI Type

### OUTPUT SPECIFICATIONS

Voltage Accuracy.....	Single Output .....	±1.0% max
	Dual + Output .....	±1.0% max
	Dual - Output .....	±1.0% max
Voltage Balance Dual Output at Full Load .....		±1.0% max
RIPPLE AND NOISE, 20MHz BW .....		max. 100mVpp.
Temperature Coefficient .....		±0.02%/C max
Line Regulation <sup>1</sup> .....	Single/ Dual Output .....	±0.2% max
Load Regulation <sup>2</sup> .....	Single/ Dual Output .....	±1.0% max

### GENERAL SPECIFICATIONS

ISOLATION VOLTAGE.....	Standard .....	500VDC max.
	Suffix H .....	1500VDC max.
ISOLATION RESISTANCE .....		1000 MOhm
SWITCHING FREQUENCY.....		200KHz typ.
OPERATING TEMPERATURE RANGE.....		-40°C TO +71°C
DERATING, ABOVE 71°C .....		LINEARY TO ZERO POWER AT 100 °C
THERMAL SHUT DOWN; CASE TEMPERATURE .....		100°Cmax.
STORAGE TEMPERATURE RANGE.....		-40°C TO +100°C
CASE MATERIAL .....		Black Coated Copper with Non-Conductive Base
DIMENSIONS .....		2,00x1,00x0,40 INCHES (50.8 × 25.4 × 10.2mm)

#### NOTE:

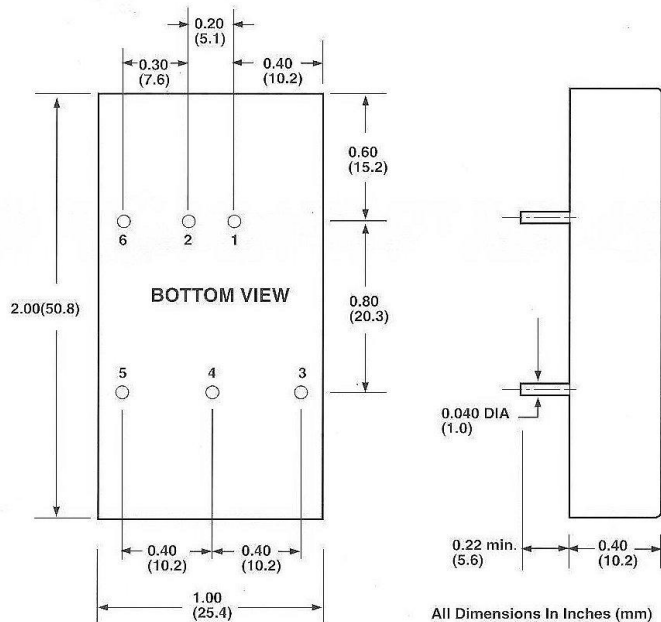
1. Measured From High Line To Low Line
2. Measured From Full Load To 25% Load
3. Maximum case temperature under any operating conditions should not exceed 100°C
4. Suffix H for Isolation Voltage 1500VDC
5. Suffix T for extended Operating-Temperature Range "-40°C ... +85°C"

### Ordering Instructions

TP10 - 24 S 12 E

Series	Input	Single	Output	Option H (Viso 1500VDC)
		Dual		T (Operat. Temp without Derating -40°C...+85°C)

### MECHANICAL SPECIFICATIONS



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

NOTE: NP = no Pin  
NOTE: Pin Size = 0.02" (0.5mm) Ø

### DERATING CURVE

