



# TRUMPower

DC/DC CONVERTERS

# T2-EH Series

## 6K VDC Isolation, 2 Watt

OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	MODEL NUMBER		
			5 VDC IN	12 VDC IN	24 VDC IN
5 VDC 12 VDC 15 VDC	400 mA 166 mA 133 mA	2W 2W 2W	T2-2S0505EH T2-2S0512EH T2-2S0515EH	T2-2S1205EH T2-2S1212EH T2-2S1215EH	T2-2S2405EH T2-2S2412EH T2-2S2415EH
±5 VDC ±12 VDC ±15 VDC	±200 mA ±83 mA ±66 mA	2W 2W 2W	T2-2D0505EH T2-2D0512EH T2-2D0515EH	T2-2D1205EH T2-2D1212EH T2-2D1215EH	T2-2D2405EH T2-2D2412EH T2-2D2415EH

1.5W, 3W versions and other input/output combinations are available.

### ELECTRICAL SPECIFICATIONS

All Specifications Typical @ +25°C, Nominal Line, and Full Load Unless Otherwise Noted.

#### INPUT SPECIFICATIONS

Input Voltage Range.....±10%  
Input Filter.....Pi Filter

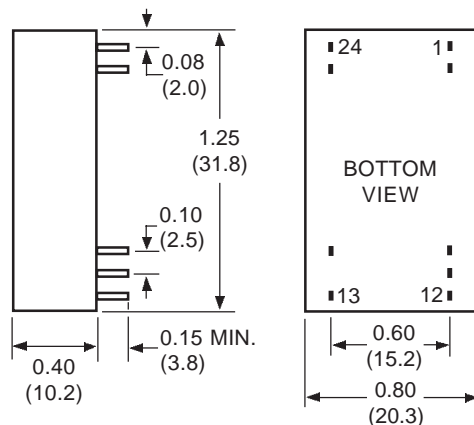
#### OUTPUT SPECIFICATIONS

Voltage Accuracy.....±2%, Max.  
Voltage Balance, Balance Load.....±2%, Max.  
Line Regulation.....±0.5%, Max.  
Load Regulation, FL-10%FL.....±0.5%, Max.  
Ripple and Noise, 20MHz BW.....75 mVp-p, Max.  
Short Circuit Protection.....Continuous  
Temperature Coefficient.....±0.02%/C, Max.

#### GENERAL SPECIFICATIONS

Efficiency.....60%, Typ.  
Isolation Voltage, Input to Output.....6,000 VDC, Min.  
Isolation Resistance, 500 VDC.....10 GΩ, Min.  
Isolation Capacitance.....60pF, Typ.  
Switching Frequency.....125 kHz, Typ.  
Operating Temperature, No Derating.....-25°C to +60°C  
Storage Temperature Range.....-40°C to +125°C  
Cooling.....Free Air Convection  
MTBF per MIL-HDBK-217F @25°C.....>1,000k Hours  
Weight.....0.42 oz. (12 grams)  
Case Material.....Non-Conductive Black Plastic

PIN CONNECTIONS		
PIN	SINGLE	DUAL
1,2	+V Input	+V Input
10,11	No Pin	Common
12	-V Output	No Pin
13	+V Output	-V Output
15	No Pin	+V Output
23,24	-V Input	-V Input



PIN SIZE: 0.02 (0.5) DIA. OR 0.02 X 0.01 INCH

ALL DIMENSIONS IN INCHES (mm)