



# TRUMPower

DC/DC CONVERTERS

# T2-EH Series

6K VDC Isolation, 1.5-3 Watt

OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	MODEL NUMBER			
			5 VDC IN	12 VDC IN	24 VDC IN	48 VDC IN
5 VDC	300 mA	1.5W	T2-1S0505EH	T2-1S1205EH	T2-1S2405EH	T2-1S4805EH
12 VDC	125 mA	1.5W	T2-1S0512EH	T2-1S1212EH	T2-1S2412EH	T2-1S4812EH
15 VDC	100 mA	1.5W	T2-1S0515EH	T2-1S1215EH	T2-1S2415EH	T2-1S4815EH
±5 VDC	±150 mA	1.5W	T2-1D0505EH	T2-1D1205EH	T2-1D2405EH	T2-1D4805EH
±12 VDC	±63 mA	1.5W	T2-1D0512EH	T2-1D1212EH	T2-1D2412EH	T2-1D4812EH
±15 VDC	±50 mA	1.5W	T2-1D0515EH	T2-1D1215EH	T2-1D2415EH	T2-1D4815EH
5 VDC	400 mA	2W	T2-2S0505EH	T2-2S1205EH	T2-2S2405EH	T2-2S4805EH
12 VDC	167 mA	2W	T2-2S0512EH	T2-2S1212EH	T2-2S2412EH	T2-2S4812EH
15 VDC	133 mA	2W	T2-2S0515EH	T2-2S1215EH	T2-2S2415EH	T2-2S4815EH
±5 VDC	±200 mA	2W	T2-2D0505EH	T2-2D1205EH	T2-2D2405EH	T2-2D4805EH
±12 VDC	±83 mA	2W	T2-2D0512EH	T2-2D1212EH	T2-2D2412EH	T2-2D4812EH
±15 VDC	±67 mA	2W	T2-2D0515EH	T2-2D1215EH	T2-2D2415EH	T2-2D4815EH
5 VDC	600 mA	3W	T2-3S0505EH	T2-3S1205EH	T2-3S2405EH	T2-3S4805EH
12 VDC	250 mA	3W	T2-3S0512EH	T2-3S1212EH	T2-3S2412EH	T2-3S4812EH
15 VDC	200 mA	3W	T2-3S0515EH	T2-3S1215EH	T2-3S2415EH	T2-3S4815EH
±5 VDC	±300 mA	3W	T2-3D0505EH	T2-3D1205EH	T2-3D2405EH	T2-3D4805EH
±12 VDC	±125 mA	3W	T2-3D0512EH	T2-3D1212EH	T2-3D2412EH	T2-3D4812EH
±15 VDC	±100 mA	3W	T2-3D0515EH	T2-3D1215EH	T2-3D2415EH	T2-3D4815EH

Other input/output combinations 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

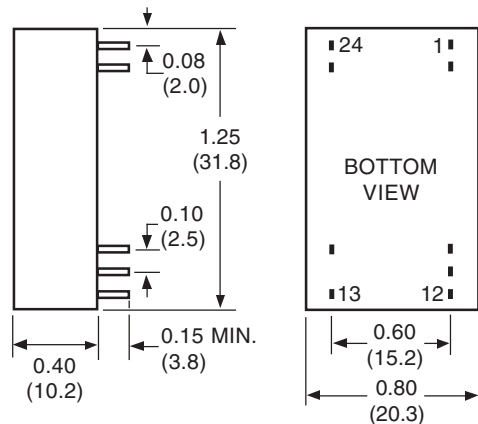
### OUTPUT SPECIFICATIONS

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.....60-75%, Typ.  
Isolation Voltage, Input to Output.....6,000 VDC, Min.  
Isolation Resistance, 500 VDC.....1,000 MΩ, Min.  
Isolation Capacitance.....60pF, Typ.  
Switching Frequency.....Single Output, 40 kHz, Typ.  
Dual Output, 300 kHz, Typ.  
Operating Temperature, No Derating.....-25°C to +90°C  
Storage Temperature Range.....-40°C to +125°C  
Cooling.....Free Air Convection  
MTBF per MIL-HDBK-217F @ 25°C.....3M Hours, Min.  
Weight.....0.44 oz. (12.5 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.

ALL DIMENSIONS IN INCHES (mm)