



TRUMPower

DC/DC CONVERTERS

T2-H5 Series

5.2K VDC Isolation, 1.5-3 Watts

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	T2-1S0505H5	T2-1S1205H5	T2-1S2405H5	T2-1S4805H5
12 VDC	125 mA	1.5W	T2-1S0512H5	T2-1S1212H5	T2-1S2412H5	T2-1S4812H5
15 VDC	100 mA	1.5W	T2-1S0515H5	T2-1S1215H5	T2-1S2415H5	T2-1S4815H5
±5 VDC	±150 mA	1.5W	T2-1D0505H5	T2-1D1205H5	T2-1D2405H5	T2-1D4805H5
±12 VDC	±63 mA	1.5W	T2-1D0512H5	T2-1D1212H5	T2-1D2412H5	T2-1D4812H5
±15 VDC	±50 mA	1.5W	T2-1D0515H5	T2-1D1215H5	T2-1D2415H5	T2-1D4815H5
5 VDC	400 mA	2W	T2-2S0505H5	T2-2S1205H5	T2-2S2405H5	T2-2S4805H5
12 VDC	167 mA	2W	T2-2S0512H5	T2-2S1212H5	T2-2S2412H5	T2-2S4812H5
15 VDC	133 mA	2W	T2-2S0515H5	T2-2S1215H5	T2-2S2415H5	T2-2S4815H5
±5 VDC	±200 mA	2W	T2-2D0505H5	T2-2D1205H5	T2-2D2405H5	T2-2D4805H5
±12 VDC	±83 mA	2W	T2-2D0512H5	T2-2D1212H5	T2-2D2412H5	T2-2D4812H5
±15 VDC	±67 mA	2W	T2-2D0515H5	T2-2D1215H5	T2-2D2415H5	T2-2D4815H5
5 VDC	600 mA	3W	T2-3S0505H5	T2-3S1205H5	T2-3S2405H5	T2-3S4805H5
12 VDC	250 mA	3W	T2-3S0512H5	T2-3S1212H5	T2-3S2412H5	T2-3S4812H5
15 VDC	200 mA	3W	T2-3S0515H5	T2-3S1215H5	T2-3S2415H5	T2-3S4815H5
±5 VDC	±300 mA	3W	T2-3D0505H5	T2-3D1205H5	T2-3D2405H5	T2-3D4805H5
±12 VDC	±125 mA	3W	T2-3D0512H5	T2-3D1212H5	T2-3D2412H5	T2-3D4812H5
±15 VDC	±100 mA	3W	T2-3D0515H5	T2-3D1215H5	T2-3D2415H5	T2-3D4815H5

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

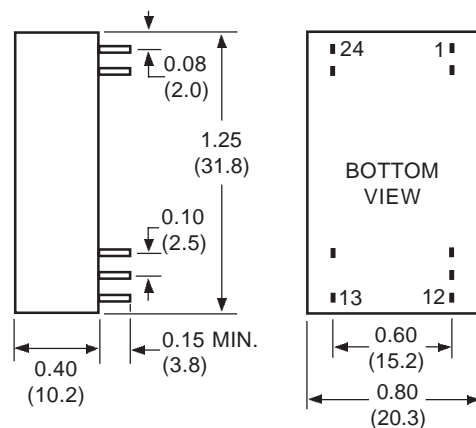
OUTPUT SPECIFICATIONS

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%, Typ.
Isolation Voltage, Input to Output.....5,200 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.....>600,000 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)