



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

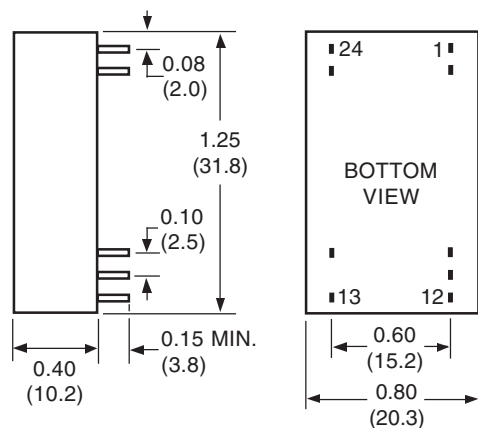
OUTPUT SPECIFICATIONS

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.....60-75%, Typ.
Isolation Voltage, Input to Output.....5,200 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 +80°C
Storage Temperature Range.....-40°C to +125°C
Cooling.....Free Air Convection
MTBF per MIL-HDBK-217F @ 25°C.....> 3M Hours
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)