

TRUMPower
DC/DC CONVERTERS

TDW Series
4:1 Input, 5-6 Watt

OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	MODEL NUMBER	
			9-36 VDC IN	18-72 VDC IN
5 VDC 12 VDC 15 VDC	1000 mA 500 mA 400 mA	5W 6W 6W	TDW-5S2405 TDW-6S2412 TDW-6S2415	TDW-5S4805 TDW-6S4812 TDW-6S4815
±5 VDC ±12 VDC ±15 VDC	±500 mA ±250 mA ±200 mA	5W 6W 6W	TDW-5D2405 TDW-6D2412 TDW-6D2415	TDW-5D4805 TDW-6D4812 TDW-6D4815

ELECTRICAL SPECIFICATIONS

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

INPUT SPECIFICATIONS

Nominal Line, 9-36V Input.....12 VDC
18-72V Input.....48 VDC

Input Filter.....LC Filter

Reverse Input Protection.....Internal Shunt Diode;
Use External Fuse

OUTPUT SPECIFICATIONS

Voltage Accuracy.....±2%, Max.

Line Regulation.....±1%, Max.

Load Regulation, Single Output (NL-FL).....±2%, Max.

Dual Output (20%-FL).....±3%, Max.

Ripple and Noise, 20MHz BW.....150mVp-p, Max.

Short Circuit Protection.....Current Limiting

GENERAL SPECIFICATIONS

Efficiency.....70% - 75%

Isolation Voltage, Input to Output.....1,500 VDC, Min.

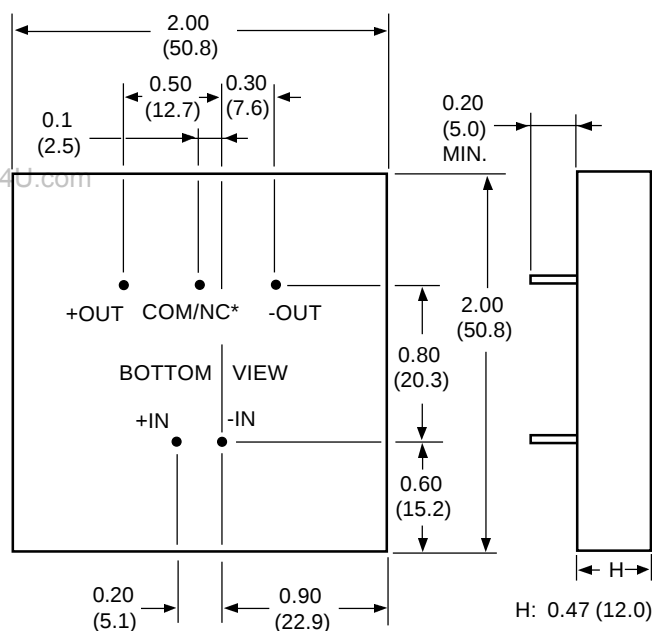
MTBF.....200K Hours Min. @40°C

Operating Temperature Range.....-25°C to +71°C

Storage Temperature Range.....-40°C to +100°C

Cooling.....Free-Air Convection

Case Material.....Non-Conductive Plastic



* NC (NO CONNECTION) ON SINGLE OUTPUT MODELS

PIN SIZE: 0.04 INCH (1.0 mm) DIA.

ALL DIMENSIONS IN INCHES (mm)