



**TRUMPower**  
DC/DC CONVERTERS

**TC3W Series**  
**4:1 Input, 8 Watt**

| OUTPUT VOLTAGE            | OUTPUT CURRENT              | OUTPUT POWER   | MODEL NUMBER                              |                                           |
|---------------------------|-----------------------------|----------------|-------------------------------------------|-------------------------------------------|
|                           |                             |                | 9-36 VDC IN                               | 18-72 VDC IN                              |
| 5 VDC<br>12 VDC<br>15 VDC | 1600 mA<br>670 mA<br>533 mA | 8W<br>8W<br>8W | TC3W-8S2405<br>TC3W-8S2412<br>TC3W-8S2415 | TC3W-8S4805<br>TC3W-8S4812<br>TC3W-8S4815 |
| ±12 VDC<br>±15 VDC        | ±335 mA<br>±267 mA          | 8W<br>8W       | TC3W-8D2412<br>TC3W-8D2415                | TC3W-8D4812<br>TC3W-8D4815                |

## ELECTRICAL SPECIFICATIONS

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

### INPUT SPECIFICATIONS

Nominal Line, 9-36V Input.....24 VDC  
18-72V Input.....48 VDC

Input Filter.....Pi Filter

Reverse Voltage Protection.....Internal Shunt Diode  
Use External Fuse

### OUTPUT SPECIFICATIONS

Voltage Accuracy.....±2%, Max.

Voltage Balance, Dual Output.....±1%, Max.

Line Regulation.....±0.2%, Max.

Load Regulation, FL-10%FL.....±0.5%, Max.

Minimum Load, Single Output.....Not required

Dual Output.....10% on Each Output

Ripple and Noise, 20MHz BW.....1% Vp-p, Max.

Short Circuit Protection.....Continuous

### GENERAL SPECIFICATIONS

Efficiency.....75% - 83%

Isolation Voltage, Input to Output.....1,000 VDC, Min.

Switching Frequency.....50 kHz

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

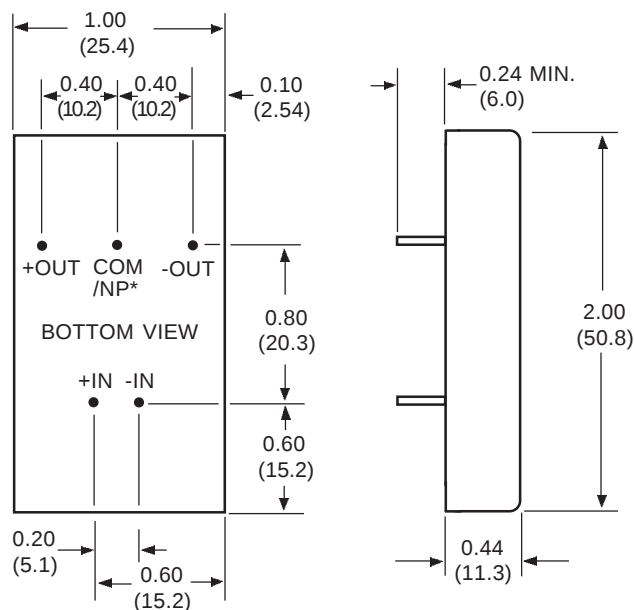
Derating.....None

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

Cooling.....Free Air Convection

Weight.....1.2 oz. (34 grams)

Case Material.....Metal with Non-Conductive Base



\* NP (NO PIN) ON SINGLE OUTPUT MODELS

PIN SIZE: 0.03 INCH (0.8 mm) DIA.

ALL DIMENSIONS IN INCHES (mm)