



TRUMPower
DC/DC CONVERTERS

TD5 Series
2:1 Input, 25 Watts

OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	MODEL NUMBER		
			9-18 VDC IN	18-36 VDC IN	36-72 VDC IN
5 VDC	5000 mA	25W	TD5-25S1205	TD5-25S2405	TD5-25S4805
12 VDC	2083 mA	25W	TD5-25S1212	TD5-25S2412	TD5-25S4812
15 VDC	1666 mA	25W	TD5-25S1215	TD5-25S2415	TD5-25S4815
24 VDC	1041 mA	25W	TD5-25S1224	TD5-24S2424	TD5-25S4824
± 5 VDC	± 2500 mA	25W	TD5-25D1205	TD5-25D2405	TD5-25D4805
± 12 VDC	± 1041 mA	25W	TD5-25D1212	TD5-25D2412	TD5-25D4812
± 15 VDC	± 833 mA	25W	TD5-25D1215	TD5-25D2415	TD5-25D4815
± 24 VDC	± 520 mA	25W	TD5-25D1224	TD5-25D2424	TD5-25D4824

Other input/output combinations available.

ELECTRICAL SPECIFICATIONS

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

INPUT SPECIFICATIONS

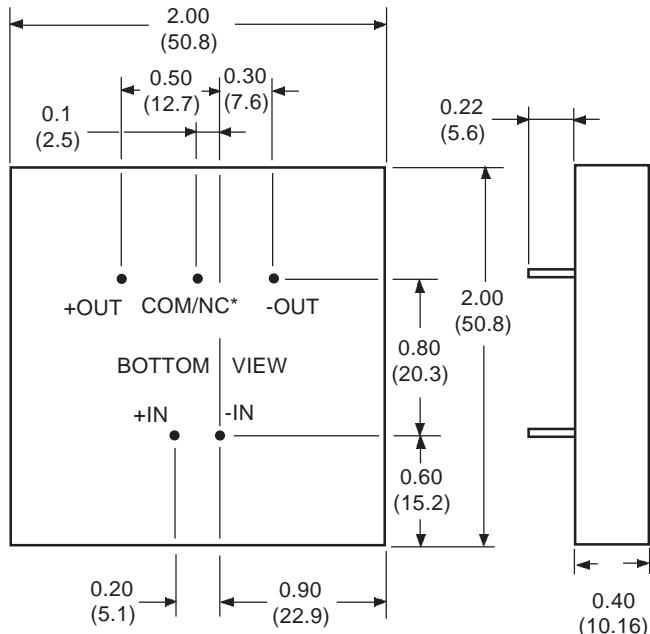
Nominal Line, 9-18V Input.....12 VDC
18-36V Input.....24 VDC
36-72V Input.....48 VDC
Input Filter.....Capacitors

OUTPUT SPECIFICATIONS

Voltage Accuracy..... $\pm 1\%$, Max.
Voltage Balance (Dual Output)..... $\pm 1\%$
Line Regulation..... $\pm 0.5\%$, Max.
Load Regulation..... $\pm 0.5\%$, Max.
Ripple and Noise, 20MHz BW.....100mVp-p, Max.
Short Circuit Protection.....Continuous
Short Circuit Restart.....Automatic

GENERAL SPECIFICATIONS

Efficiency.....79% - 88%
Isolation Voltage, Input to Output.....1,500 VDC, Min.
Switching Frequency, 10W/15W.....200K Hz, Typ.
Operating Temperature.....-25°C to +85°C
Derating3.57%/°C, +71°C to +85°C
Case Temperature.....+100°C, Max.
Storage Temperature Range.....-40°C to +125°C
Cooling.....Free Air Convection
Weight.....2.1 oz. (60 grams)
Case Material.....Metal with Non-Conductive Base



* NC (NO CONNECTION) ON SINGLE OUTPUT MODELS

PIN SIZE: 0.04 INCH (1.0 mm) DIA.

ALL DIMENSIONS IN INCHES (mm)