TRUMPower
DC/DC CONVERTERS

TC4 Series
2:1 Input, 8 to 10 Watt

*OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	MODEL NUMBER		
			9-18 VDC IN	18-36 VDC IN	36-72 VDC IN
3.3 VDC	2500 mA	8W	TC4-8S123.3	TC4-8S243.3	TC4-8S483.3
5 VDC	2000 mA	10W	TC4-10S1205	TC4-10S2405	TC4-10S4805
12 VDC	830 mA	10W	TC4-10S1212	TC4-10S2412	TC4-10S4812
15 VDC	666 mA	10W	TC4-10S1215	TC4-10S2415	TC4-10S4815
24 VDC	416 mA	10W	TC4-10S1224	TC4-10S2424	TC4-10S4824
±5 VDC	±1000 mA	10W	TC4-10D1205	TC4-10D2405	TC4-10D4805
±12 VDC	±415 mA	10W	TC4-10D1212	TC4-10D2412	TC4-10D4812
±15 VDC	±333 mA	10W	TC4-10D1215	TC4-10D2415	TC4-10D4815
±24 VDC	±208 mA	10W	TC4-10D1224	TC4-10D2424	TC4-10D4824

*Contact the factory for other outputs.

ELECTRICAL SPECIFICATIONS

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

INPUT SPECIFICATIONS

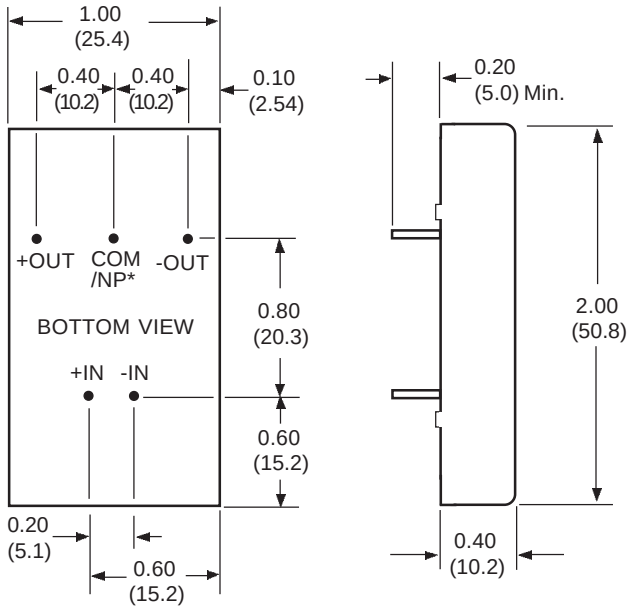
Nominal Line, 9-18V Input.....12 VDC
18-36V Input.....24 VDC
36-72V Input.....48 VDC
Input Filter.....Pi Type

OUTPUT SPECIFICATIONS

Voltage Accuracy.....±1%, Max.
Voltage Balance, Dual Ouput.....±1%
Line Regulation.....±0.5%, Max.
Load Regulation, FL-25%FL.....±0.5%, Max.
Minimum Load.....5%
Ripple and Noise, 20MHz BW.....150mVp-p, Max.
Short Circuit Protection.....Continuous
Short Circuit Restart.....Automatic

GENERAL SPECIFICATIONS

Efficiency.....85%, Typ.
Isolation Voltage, Input to Output.....1,500 VDC, Min.
Switching Frequency.....200 KHz, Typ.
Operating Temperature Range.....-25°C to +71°C
Case Temperature.....100°C Max.
Derating.....None
Storage Temperature Range.....-40°C to +125°C
Cooling.....Free Air Convection
Safety Standards.....Meets UL 1950, EN60950, IEC950
EMI/RFI.....Five-Side Shielded Case
Conducted EMI....Meets FCC Class A, EN55022 Class A
Case Material.....Metal with Non-Conductive Base



* NP (NO PIN) ON SINGLE OUTPUT MODELS

PIN SIZE: 0.04 INCH (1.0 mm) DIA.

ALL DIMENSIONS IN INCHES (mm)

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