



TRUMPower
DC/DC CONVERTERS

TD3 Series
2:1 Input, 15 Watt

OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	MODEL NUMBER		
			9-18 VDC IN	18-36 VDC IN	36-72 VDC IN
3.3 VDC	3000 mA	9.9W	TD3-10S123.3	TD3-10S243.3	TD3-10S483.3
5 VDC	3000 mA	15W	TD3-15S1205	TD3-15S2405	TD3-15S4805
12 VDC	1250 mA	15W	TD3-15S1212	TD3-15S2412	TD3-15S4812
15 VDC	1000 mA	15W	TD3-15S1215	TD3-15S2415	TD3-15S4815
24 VDC	625 mA	15W	TD3-15S1224	TD3-15S2424	TD3-15S4824
±5 VDC	±1500 mA	15W	TD3-15D1205	TD3-15D2405	TD3-15D4805
±12 VDC	±625 mA	15W	TD3-15D1212	TD3-15D2412	TD3-15D4812
±15 VDC	±500 mA	15W	TD3-15D1215	TD3-15D2415	TD3-15D4815

Other input/output combinations available.

ELECTRICAL SPECIFICATIONS

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

INPUT SPECIFICATIONS

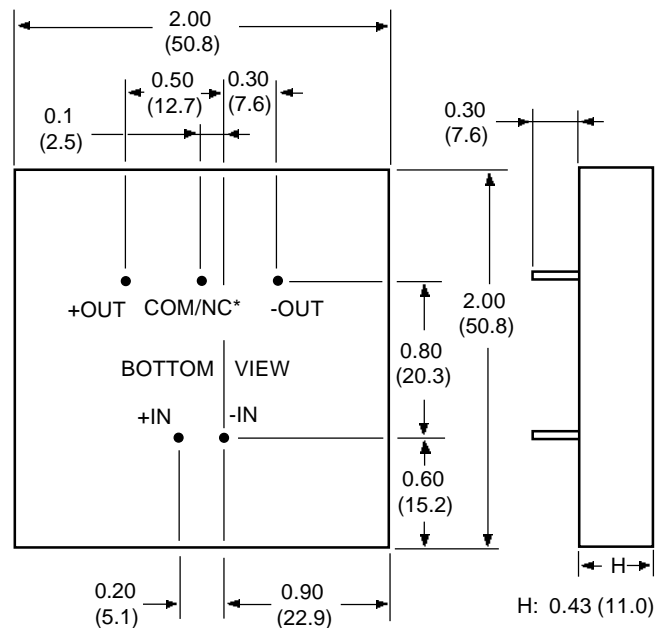
Nominal Line, 9-18V Input.....12 VDC
 18-36V Input.....24 VDC
 36-72V Input.....48 VDC
 Input Filter.....Pi Filter

OUTPUT SPECIFICATIONS

Voltage Accuracy, Single.....±1%, Max.
 Dual +Output.....±1%, Max.
 -Output.....±3%, Max.
 Voltage Balance, Dual.....±1%, Max.
 External Trim Adjustment Range.....±10%
 Line Regulation, HL-LL.....±0.2%, Max.
 Load Regulation, 10%FL-FL.....±0.5%, Max.
 Minimum Load, Single Output.....None
 Dual Output.....10% on Each Output
 Ripple and Noise, 20MHz BW, 5V/12V...100mVp-p, Max.
 15V/24V...120mVp-p, Max.
 Short Circuit Protection.....Continuous

GENERAL SPECIFICATIONS

Efficiency.....77% - 81%
 Isolation Voltage, Input to Output.....1,000 VDC, Min.
 Switching Frequency.....200KHz, Min.
 Operating Temperature Range.....-15°C to +71°C
 Storage Temperature Range.....-55°C to +100°C
 Cooling.....Free-Air Convection
 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)

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