



TRUMPower
DC/DC CONVERTERS

TD3WR Series
4:1 Input, 15 Watt

OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	MODEL NUMBER	
			9-36 VDC IN	18-72 VDC IN
3.3 VDC	3000 mA	9.9W	TD3WR-10S243.3	TD3WR-10S483.3
5 VDC	3000 mA	15W	TD3WR-15S2405	TD3WR-15S4805
12 VDC	1250 mA	15W	TD3WR-15S2412	TD3WR-15S4812
15 VDC	1000 mA	15W	TD3WR-15S2415	TD3WR-15S4815
±5 VDC	±1500 mA	15W	TD3WR-15D2405	TD3WR-15D4805
±12 VDC	±625 mA	15W	TD3WR-15D2415	TD3WR-15D4812
±15 VDC	±500 mA	15W	TD3WR-15D2415	TD3WR-15D4815
5/±12 VDC	1500/±310 mA	15W	TD3WR-15T240512	TD3WR-15T480512
5/±15 VDC	1500/±250 mA	15W	TD3WR-15T240515	TD3WR-15T480515

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

OUTPUT SPECIFICATIONS

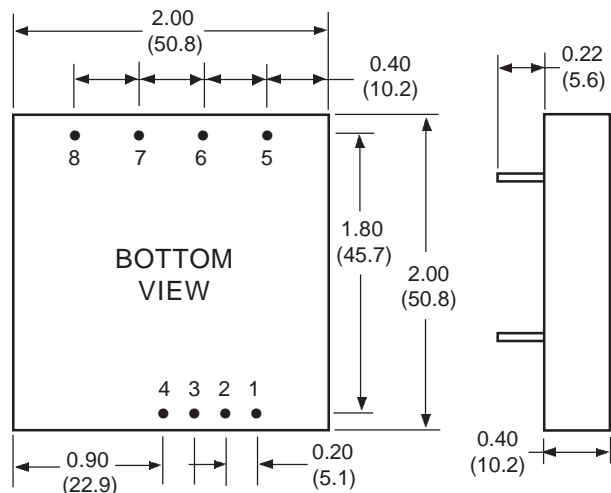
Voltage Accuracy, Single.....±1%, Max.
Dual +Output.....±1%, Max.
-Output.....±3%, Max.
Triple, 5V.....±2%, Max.
12V/15V.....±3%, Max.
Voltage Balance, Dual.....±1%, Max.
External Trim Adjustment Range.....±10%
Line Regulation, Single/Dual, HL-LL.....±0.2%, Max.
Triple, HL-LL.....±1%, Max.
Load Regulation, Single/Dual, 25%FL-FL.....±1%, Max.
Triple, 25%FL-FL.....±5%, Max.
Transient Response.....500 mSec, Max.
Ripple and Noise, 20MHz BW.....75mVp-p, Max.
Short Circuit Protection.....Continuous

GENERAL SPECIFICATIONS

Efficiency.....76% - 82%
Isolation Voltage, Input to Output.....500 VDC, Min.
Switching Frequency.....300KHz, Min.
Operating Temperature Range.....-25°C to +71°C
Storage Temperature Range.....-55°C to +105°C
Case Temperature.....100°C, Max.
Cooling.....Free-Air Convection
EMI/RFI.....Six-Sided Continuous Shield
Case Material.....Metal with Non-Conductive Base

REMOTE ON/OFF CONTROL	
Logic Compatibility	CMOS or Open Collector TTL
Ec-ON	>+5.5 VDC or Open Circuit
Ec-OFF	<1.8 VDC
Shutdown Idle Current	10 mA
Input Resistance	>100K ohms (Ein 0 VDC to 9 VDC)
Control Common	Referenced to Input Minus

PIN CONNECTIONS			
PIN	SINGLE	DUAL	TRIPLE
1	Remote On/Off Control		
2	No Pin	No Pin	No Pin
3	-Vin	-Vin	-Vin
4	+Vin	+Vin	+Vin
5	Trim	Trim	-Aux.Out
6	-Vout	-Vout	Common
7	+Vout	Common	+5V Out
8	No Pin	+Vout	+Aux.Out



PIN SIZE: 0.04 INCH (1.0 mm) DIA.
ALL DIMENSIONS IN INCHES (mm)