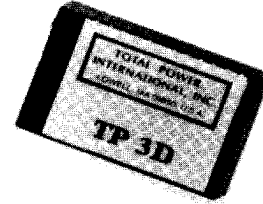


# 3 WATTS 2:1 INPUT RANGE SINGLE and DUAL OUTPUT DC - DC CONVERTERS

## TP 3D SERIES

### Features:

- 65-75% Efficiency
- 2:1 Input Range
- Pi Input Filter
- Regulated Outputs
- Low Ripple and Noise
- Short Circuit Protection
- Over Voltage Protection



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### Specifications:

#### Input

- Input Voltage Range : 2:1
- Input Filter : Pi Network

#### Output

- Voltage/Current Ratings : See Order Information Table
- Line Regulation :  $\pm 0.2\%$  max.
- Load Regulation :  $\pm 1\%$  max.
- Dielectric Withstand : 500 VDC min.
- Ripple and Noise : 0.5-1%/p-p max.
- Isolation Resistance :  $10^9$  ohms
- Isolation Capacitance : 30pF
- Efficiency : 65-75%
- Switching Frequency : 50 KHz min.
- Output Protection : Short Circuit Protection, 30 Seconds max.  
Over Voltage Protection 110% max.

#### Environmental

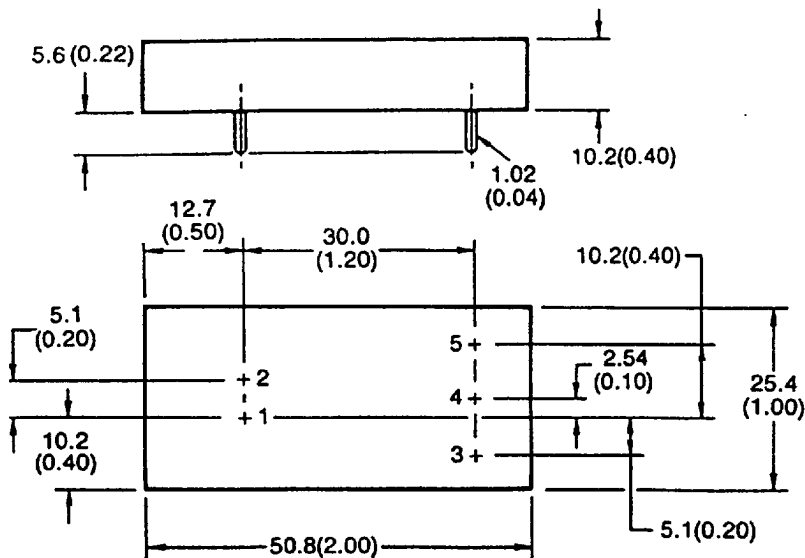
- Operating Temperature : -25C to + 71C
- Storage Temperature : -55C to +105C
- Temperature Coefficient :  $\pm 0.02\%$ /degree C
- EMI/RFI : Six-Sided Continuous Metal Case

#### Mechanical

- Case Material : Black Coated Copper Case with Non-Conductive Base

**ORDER INFORMATION TABLE**

INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (mA)	INPUT CURRENT (mA)		MODEL NO.
			NO LOAD	FULL LOAD	
4.5-6.0	5	600	100	1000	3D600-05S05
4.5-6.0	12	250	100	950	3D250-05S12
4.5-6.0	15	200	100	950	3D200-05S15
4.5-6.0	± 12	125	75	965	3D125-05D12
4.5-6.0	± 15	100	75	955	3D100-05D15
9-18	5	600	50	385	3D600-12S05
9-18	12	250	55	365	3D250-12S12
9-18	15	200	55	365	3D200-12S15
9-18	± 12	125	55	380	3D125-12D12
9-18	± 15	100	55	376	3D100-12D15
18-36	5	600	25	188	3D600-24S05
18-36	12	250	30	152	3D250-24S12
18-36	15	200	30	150	3D200-24S15
18-36	± 12	125	25	170	3D125-24D12
18-36	± 15	100	30	168	3D100-24D15
36-72	5	600	15	78	3D600-48S05
36-72	12	250	15	72	3D250-48S12
36-72	15	200	15	70	3D200-48S15
36-72	± 12	125	15	80	3D125-48D12
36-72	± 15	100	15	78	3D100-48D15



**PIN CONNECTIONS:**

PIN	SINGLE	DUAL
1.	+ INPUT	+ INPUT
2.	- INPUT	- INPUT
3.	+ OUTPUT	+ OUTPUT
4.	NO PIN	COMMON
5.	- OUTPUT	- OUTPUT