

1 TO 1.5 WATTS 2:1 INPUT RANGE SINGLE & DUAL OUTPUT DC - DC CONVERTERS

TP 2D SERIES

Features:

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



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

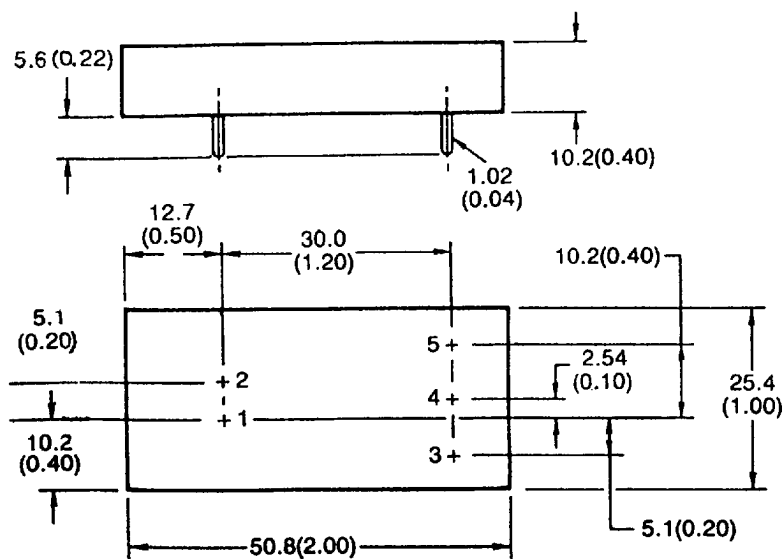
Operating Temperature	: -25C to + 71C
Storage Temperature	: -55C to +105C
Temperature Coefficient	: $\pm 0.02\%$ /degree C
EMI/RFI	: Six-Sided Continuous Metal Case

Mechanical

Case Material	: Black Coated Copper Case with Non-Conductive Base
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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	200	100	333	2D200-05S05
4.5-6.0	12	125	100	500	2D125-05S12
4.5-6.0	15	100	100	500	2D100-05S15
4.5-6.0	± 12	60	75	480	2D060-05D12
4.5-6.0	± 15	50	75	480	2D050-05D15
9-18	5	200	25	140	2D200-12S05
9-18	12	125	35	210	2D125-12S12
9-18	15	100	35	210	2D100-12S15
9-18	± 12	60	35	200	2D060-12D12
9-18	± 15	50	35	200	2D050-12D15
18-36	5	200	15	70	2D200-24S05
18-36	12	125	15	87	2D125-24S12
18-36	15	100	15	87	2D100-24S15
18-36	± 12	60	15	96	2D060-24D12
18-36	± 15	50	15	96	2D050-24D15
36-72	5	200	6	36	2D200-48S05
36-72	12	125	6	45	2D125-48S12
36-72	15	100	6	45	2D100-48S15
36-72	± 12	60	6	48	2D060-48D12
36-72	± 15	50	6	48	2D050-48D15



PIN CONNECTIONS:

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