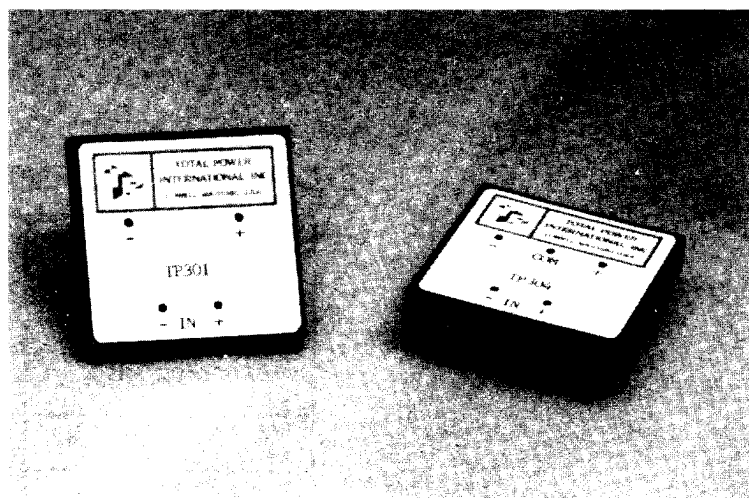


3 WATT SINGLE and DUAL OUTPUT DC to DC CONVERTERS

TP300 SERIES

Features:

- Regulated Outputs
- Pi Input Filter
- Low Ripple and Noise
- 500 VDC Isolation
- Short Circuit Protection



Specifications:

Input

Input Voltage Range	: $\pm 10\%$ or 2:1 Input Range "W2" Option, Except 5V Input = 4.5-6.0V
Input Filter	: Pi Network

Output

Voltage/Current Rating	: See Order Information Table
Voltage Tolerance	: $\pm 1.0\%$ (max)
Line Regulation	: 0.05% (max)
Load Regulation	: 0.1% (typ)
Ripple and Noise	: 50mV (max) p-p (Single Output) 35mV (max) p-p (Dual Output)
Dielectric Withstand	: 500 VDC (min.)
Isolation Resistance	: 10^9 ohms
Isolation Capacitance	: 80pF
Efficiency	: 65 - 75% MIN
Switching Frequency	: 40 - 70 KHz MIN
Output Protection	: Short Circuit Protection Over Voltage Protection

Environmental

Operating Temperature	: -25°C to 71°C
Storage Temperature	: -40°C to 100°C
Temperature Coefficient	: $\pm 0.02\%/^{\circ}\text{C}$ (Single Output) $\pm 0.01\%/^{\circ}\text{C}$ (Dual Output)

Mechanical

Case Material	: Plastic or Black Copper Case with Non-Conductive Base
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ORDER INFORMATION TABLE

MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT	
				NO LOAD	FULL LOAD
TP301	5VDC	5VDC	600mA	50mA	1000mA
TP302		12VDC	250mA	60mA	900mA
TP303		15VDC	200mA	70mA	900mA
TP304		±12VDC	±125mA	90mA	900mA
TP305		±15VDC	±100mA	90mA	900mA
TP306	12VDC	5VDC	600mA	35mA	420mA
TP307		12VDC	250mA	35mA	370mA
TP308		15VDC	200mA	35mA	370mA
TP309		±12VDC	±125mA	50mA	370mA
TP310		±15VDC	±100mA	50mA	370mA
TP311	24VDC	5VDC	600mA	20mA	210mA
TP312		12VDC	250mA	20mA	180mA
TP313		15VDC	200mA	20mA	180mA
TP314		±12VDC	±125mA	35mA	180mA
TP315		±15VDC	±100mA	35mA	180mA
TP316	28VDC	5VDC	600mA	20mA	180mA
TP317		12VDC	250mA	20mA	155mA
TP318		15VDC	200mA	20mA	155mA
TP319		±12VDC	±125mA	35mA	155mA
TP320		±15VDC	±100mA	35mA	155mA
TP321	48VDC	5VDC	600mA	14mA	100mA
TP322		12VDC	250mA	14mA	90mA
TP323		15VDC	200mA	14mA	90mA
TP324		±12VDC	±125mA	20mA	90mA
TP325		±15VDC	±100mA	20mA	90mA

Note: To order wide input, add suffix "W2" to P/N (TP301W2, etc.)

