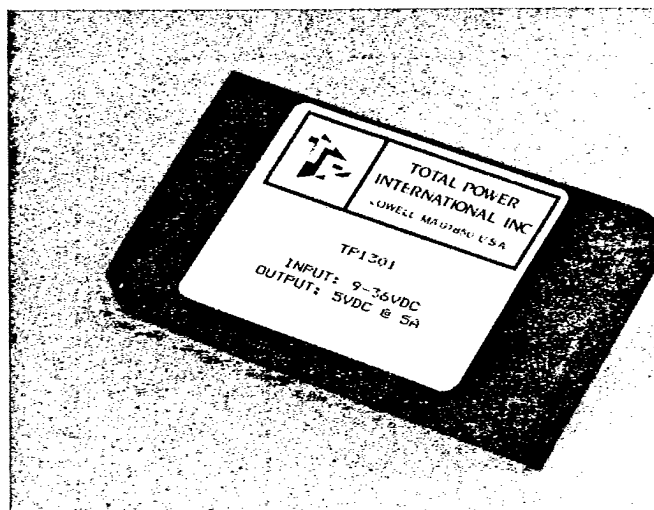


25 to 30 WATT SINGLE and DUAL OUTPUT DC-DC CONVERTERS

TP1300 SERIES

Features:

- 4:1 Input Range
- 30W Isolated Outputs
- Remote On/Off Control
- 100kHz Switching Frequency
- Six-Sided Shield



Specifications:

Input

Input Voltage Range	: 9 to 36V (24VDC Nominal)
	: 20 to 72V (48VDC Nominal)
Input Filter	: Pi Network
Reverse Voltage Protection	: Internal Shunt Diode

Output

Voltage/Current Rating	: See Order Information Table
Voltage Tolerance	: $\pm 1\%$ (max) Single Output
	: $\pm 1\%$ (max) + Dual Output
	: $\pm 3\%$ (max) - Dual Output
Output Adjustment	: $\pm 10\%$ External Trim
Line Regulation	: $\pm 0.5\%$ (max)
Load Regulation	: $\pm 0.5\%$ (max) Single Output
	: $\pm 1\%$ (max) Dual Output
Ripple and Noise	: 10mV RMS (max), 75mV (max) p-p
Dielectric Withstand	: 500VDC (min)
Isolation Resistance	: 10^9 ohms (min)
Switching Frequency	: 100kHz
Output Protection	: Continuous Short Circuit Protection
	: OVP Trip Point at 6.8V on 5VDC
	: OVP Trip Point at 15V on 12VDC
	: OVP Trip Point at 18V on 15VDC

Environmental

Operating Temperature	: -25°C to 71°C
Storage Temperature	: -55°C to 105°C
Temperature Coefficient	: $\pm 0.02\%/^{\circ}\text{C}$

Other Features

: Remote On/Off Control

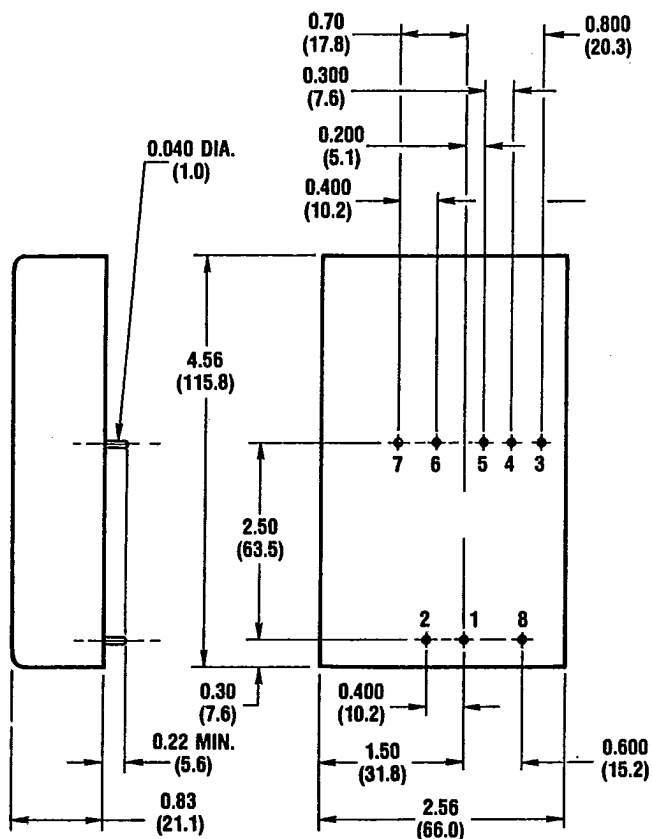
Mechanical

Case Material	: Copper Case with Non-Conductive Base
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T-57-11

ORDER INFORMATION TABLE

Model Number	Input Voltage Range	Output Voltage	Output Current	Input Current	
				No Load	Full Load
TP1301	9-36VDC	5VDC	5000 mA	20 mA	1360 mA
TP1302		6VDC	4500 mA	20 mA	1480 mA
TP1303		12VDC	2500 mA	20 mA	1500 mA
TP1304		15VDC	2000 mA	20 mA	1500 mA
TP1305		±12VDC	±1250 mA	25 mA	1500 mA
TP1306		±15VDC	±1000 mA	25 mA	1500 m
TP1311	20-72VDC	5VDC	5000 mA	20 mA	680 mA
TP1312		6VDC	4500 mA	20 mA	720 mA
TP1313		12VDC	2500 mA	20 mA	750 mA
TP1314		15VDC	2000 mA	20 mA	740 mA
TP1315		±12VDC	±1250 mA	15 mA	730 mA
TP1316		±15VDC	±1000 mA	15 mA	730 mA



Bottom View

PIN CONNECTIONS		
PIN	SINGLE	DUAL
1	+ input	+ input
2	- input	- input
3	No Pin	+ output
4	Output Trim	Common
5	No Pin	- output
6	+ output	No Pin
7	- output	No Pin
8	On/Off	On/Off