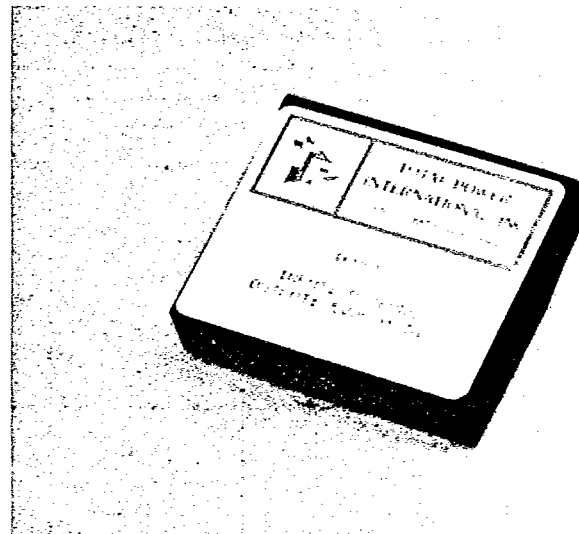


15 WATT SINGLE and DUAL OUTPUT DC-DC CONVERTERS.

TP800 SERIES

Features:

- 4:1 Input Range
- 15W Isolated Outputs
- Up to 83% Efficiency
- Remote On/Off Control
- 100kHz Switching Frequency
- Six-Sided Shield



Specifications:

Input

Input Voltage Range	: See Order Information Table
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	: $\pm 0.2\%$ (max) Single/Dual Output
Load Regulation	: $\pm 1\%$ (max)
Ripple and Noise	: 10mV RMS (max), 75mV (max) p-p
Dielectric Withstand	: 500VDC (min)
Isolation Resistance	: 10^9 ohms (min)
Efficiency	: See Order Information Table
Switching Frequency	: 100kHz
Output Protection	: Continuous Short Circuit Protection
	: OVP at 6.8V on 5V
	: OVP at 15V on 12V
	: OVP at 18V on 15V

Environmental

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

Other Features

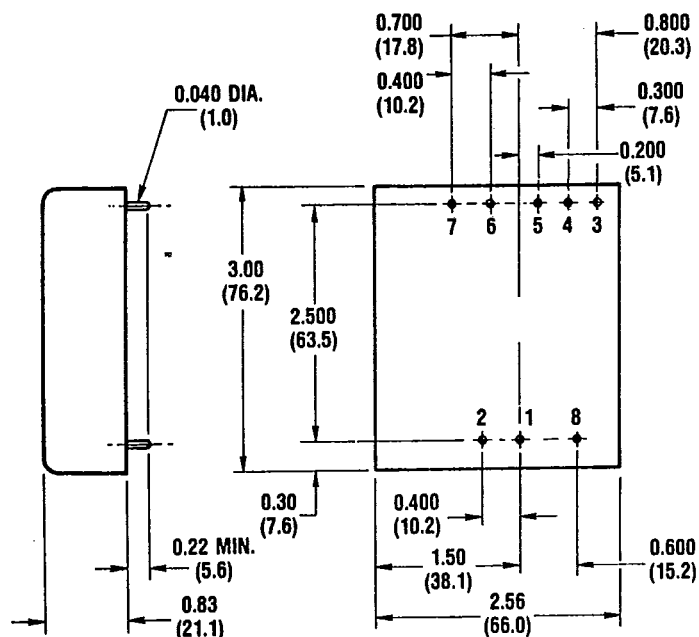
: Remote On/Off Control

Mechanical

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

Model Number	Nominal Input Voltage	Input Voltage Range	Output Voltage	Output Current	Input Current	
					No Load	Full Load
TP801	24VDC	9-36VDC	5VDC	3000mA	20mA	810mA
TP802		9-36VDC	12VDC	1250mA	20mA	780mA
TP803		9-36VDC	15VDC	1000mA	20mA	780mA
TP804		9-36VDC	±12VDC	±625mA	25mA	750mA
TP805		9-36VDC	±15VDC	±500mA	25mA	750mA
TP811	48VDC	18-72VDC	5VDC	3000mA	20mA	410mA
TP812		18-72VDC	12VDC	1250mA	20mA	390mA
TP813		18-72VDC	15VDC	1000mA	20mA	390mA
TP814		18-72VDC	±12VDC	±625mA	15mA	365mA
TP815		18-72VDC	±15VDC	±500mA	15mA	365mA



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