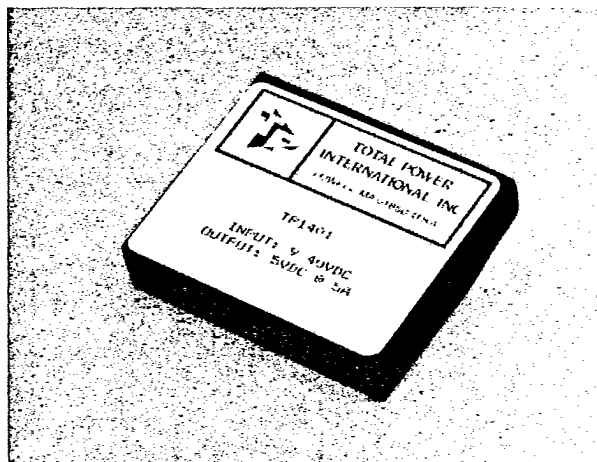


15 to 45 WATT SINGLE OUTPUT DC-DC CONVERTERS

TP1400 SERIES

Features:

- Ultra-Wide Input Range
- 8 Watt/Cubic Inch Power Density
- Six-Sided Shield
- 75kHz Switching Frequency



Specifications:

Input

Input Voltage Range	: See Order Information Table
Input Filter	: Low ESR Capacity (EA Case) : Pi Network (E Case)
Reverse Voltage Protection	: Not Protected

Output

Voltage/Current Rating	: See Order Information Table
Voltage Tolerance	: $\pm 1\%$ (max)
Output Adjustment	: $\pm 10\%$ External Trim
Line Regulation	: $\pm 0.5\%$ (max)
Load Regulation	: $\pm 0.5\%$ (max)
Ripple and Noise	: 15mV RMS (max), 60mV p-p
Dielectric Withstand	: Not Galvanically Isolated
Switching Frequency	: 75kHz
Output Protection	: Overvoltage Protection : Continuous Short Circuit Protection

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

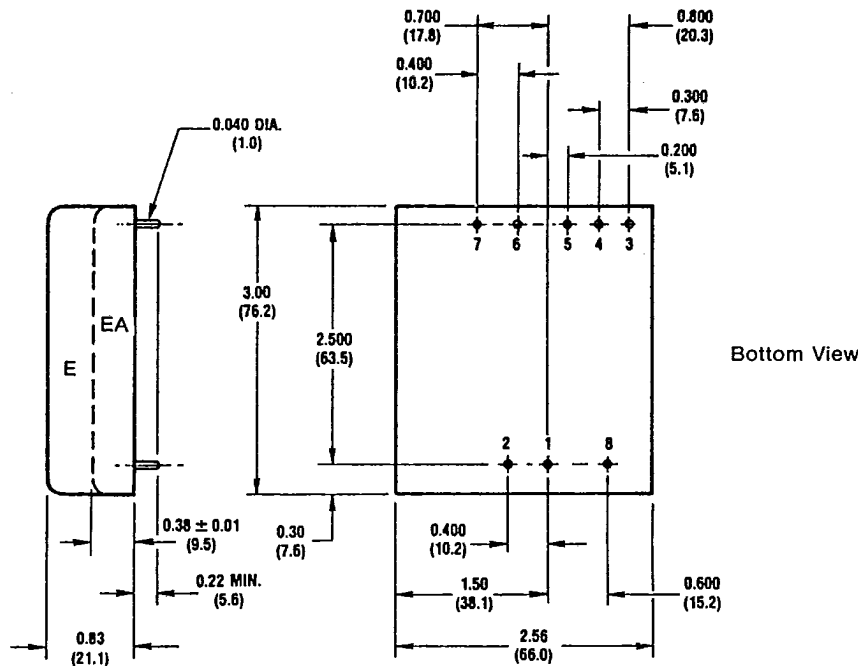
: Remote On/Off Control (E Case)

Mechanical

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

Model No.	Input Voltage	Output Voltage	Output Current	Input Current		Case
				No Load	Full Load	
TP1401	9-40VDC	5VDC	3000mA	20mA	1570mA	EA
TP1402	9-40VDC	5VDC	5000mA	20mA	2600mA	E
TP1411	14-40VDC	12VDC	2000mA	20mA	1180mA	EA
TP1412	14-40VDC	12VDC	3500mA	20mA	2010mA	E
TP1421	17-40VDC	15VDC	1500mA	20mA	1080mA	EA
TP1422	17-40VDC	15VDC	3000mA	20mA	2110mA	E



Pin Connections		
Pin	E Case	EA Case
1	+ Input	+ Input
2	- Input	- Input
3	Output Sense +	Output Trim Down
4	Output Trim	Output Trim
5	Output Sense -	Output Trim up
6	+ Output	+ Output
7	- Output	- Output
8	Remote On/Off	No Pin

