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

TP1100 SERIES

Features:

- 2:1 Input Range
- 30W Isolated Outputs
- Up to 84% 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	: ±1% (max) Single Output
	: ±1% (max) + Dual Output
	: ±3% (max) - Dual Output
	: ±2% (max) 5V Triple Output
	: ±3% (max) 12/15V Triple Output
Order Adjustment	: ±10% External Trim
Line Regulation	: ±0.2% (max)
Load Regulation	: ±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	: ±0.02%/°C (max)

Other Features

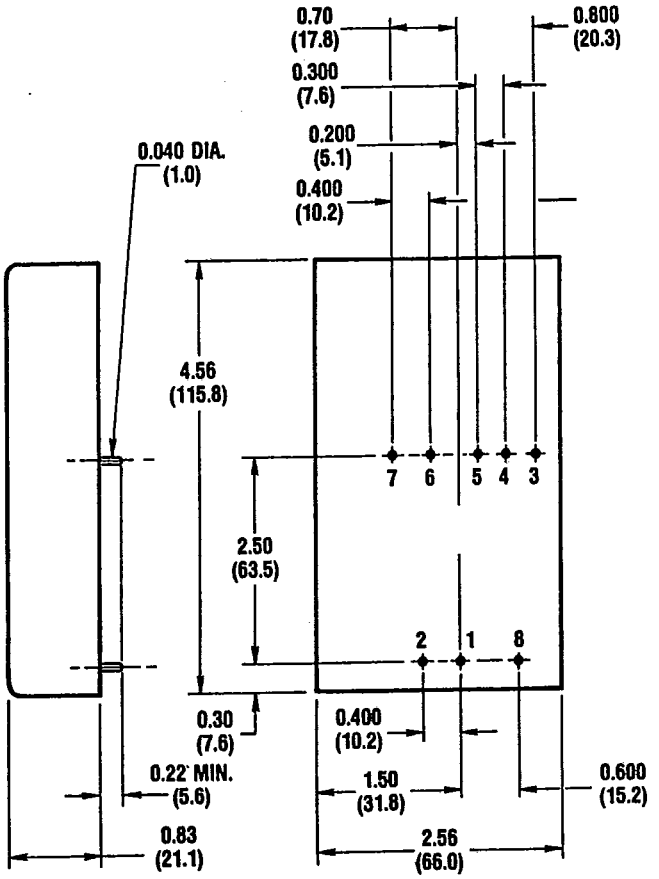
: Remote On/Off Control

Mechanical

Case Material	: Copper Case with Non-Conductive Base

ORDER INFORMATION TABLE

MODEL NUMBER	INPUT VOLTAGE RANGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT	
				NO LOAD	FULL LOAD
TP1101	9-18 VDC	5 VDC	5000 mA	30 mA	2800 mA
TP1102		12 VDC	2500 mA	30 mA	3200 mA
TP1103		15 VDC	2000 mA	30 mA	3200 mA
TP1104		±12 VDC	±1250 mA	25 mA	3050 mA
TP1105		±15 VDC	±1000 mA	25 mA	3050 mA
TP1106		+5/±12 VDC	3000/±450 mA	50 mA	2900 mA
TP1107		+5/±15 VDC	3000/±350 mA	50 mA	2750 mA
TP1108		+5/+12/-5 VDC	3000/450/1000 mA	50 mA	2850 mA
TP1111	18-36 VDC	5 VDC	5000 mA	20 mA	1350 mA
TP1112		12 VDC	2500 mA	20 mA	1550 mA
TP1113		15 VDC	2000 mA	20 mA	1550 mA
TP1114	18-36 VDC	±12 VDC	±1250 mA	25 mA	1500 mA
TP1115		±15 VDC	±1000 mA	25 mA	1500 mA
TP1116		+5/±12 VDC	3000/±450 mA	40 mA	1350 mA
TP1117		+5/±15 VDC	3000/±350 mA	40 mA	1300 mA
TP1118		+5/+12/-5 VDC	3000/450/1000 mA	40 mA	1300 mA
TP1121	36-72 VDC	5 VDC	5000 mA	20 mA	670 mA
TP1122		12 VDC	2500 mA	20 mA	770 mA
TP1123		15 VDC	2000 mA	20 mA	770 mA
TP1124		±12 VDC	±1250 mA	15 mA	730 mA
TP1125		±15 VDC	±1000 mA	15 mA	730 mA
TP1126		+5/±12 VDC	3000/±450 mA	30 mA	650 mA
TP1127		+5/±15 VDC	3000/±350 mA	30 mA	650 mA
TP1128		+5/+12/-5 VDC	3000/450/1000 mA	30 mA	650 mA



Bottom View

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