

TDA2 SERIES

2-3 Watt, 2500VDC Isolation

DC-DC CONVERTER

2:1 Wide Range Input

FEATURES

- PCB Mountable
- High Stable Regulated Output
- Thermally Conductive Encapsulate
- 100% Burn-In And Triple Tested
- MTBF > 400,000 Hours

APPLICATIONS

- Local Area Network
- Isolation Devices
- Telecommunications
- Industrial And Testing Equipment
- Battery-Powered Equipment
- Medical Equipment
- Distributed Power Equipment



ELECTRICAL SPECIFICATIONS

Input Voltage Range	2:1
Output voltage Accuracy	± 3%
Load Regulation	± 1%
Line Regulation	± 1%
Ripple & Noise	50mV p-p for 5V, 1% for other voltages
Short Circuit Protection	Fold-Back

GENERAL SPECIFICATIONS

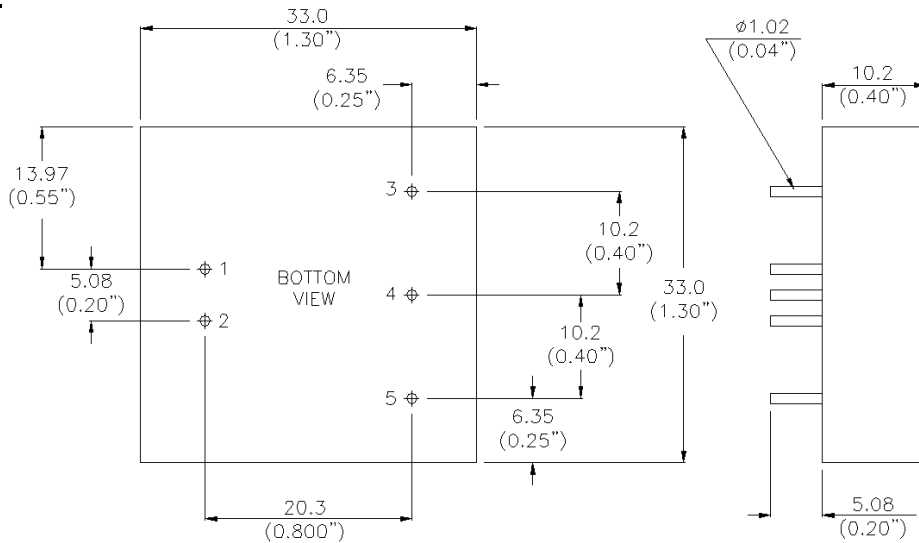
Efficiency (at full load)	70% typical
Isolation Voltage	2500VDC
Operating Frequency	25KHz min.
Operating Temperature	-25°C to +70°C
Storage Temperature	-40°C to +100°C
Isolation Resistance	10 ⁹ Ohms, min.
weight	1.0 Oz. (28.4 grams)
Case Material	Non-conductive Plastic

TDA2 SERIES SPECIFICATIONS

Model-Type	Input Voltage (Vdc)	Input Current mA (typ)		Output Voltage (Vdc)	Output Current mA (max)
		No Load	Full Load		
TDA2-0505S TDA2-0512S TDA2-0515S	4.5-6.0 (5)	80 85 80	565 750 460	5 12 15	360 200 100
TDA2-1205S TDA2-1209S TDA2-1212S TDA2-1215S	9-18 (12)	45 50 50 50	230 270 300 185	5 9 12 15	360 250 200 100
TDA2-2405S TDA2-2412S TDA2-2415S	18-36 (24)	25 30 30	106 133 85	5 12 15	360 200 100
TDA2-4805S TDA2-4812S TDA2-4815S	36-72 (48)	15 15 15	55 73 48	5 12 15	360 200 100

S: Single Output

Specifications subject to change without notice.



Pin Connections	
Pin	Single
1	+ Input
2	- Input
3	No Pin
4	+ Output
5	- Output

