

TDH4X SERIES

3 Watt 1500VDC and 3000VDC Isolation

DC-DC CONVERTER

24 Pin DIP 4:1 Wide Range Input

FEATURES

- PCB Mountable
- High Stable Regulated Output
- Thermally Conductive Encapsulant
- 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	4:1
Output Voltage Accuracy	±3%
Load Regulation	±0.5%
Line Regulation	±1%
Ripple & Noise	50mV p-p for 5V, 1% for other voltages
Short Circuit Protection	Fold-back

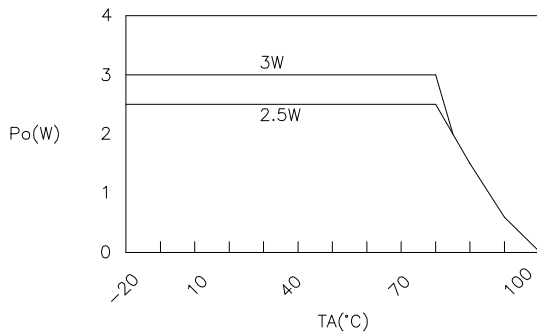
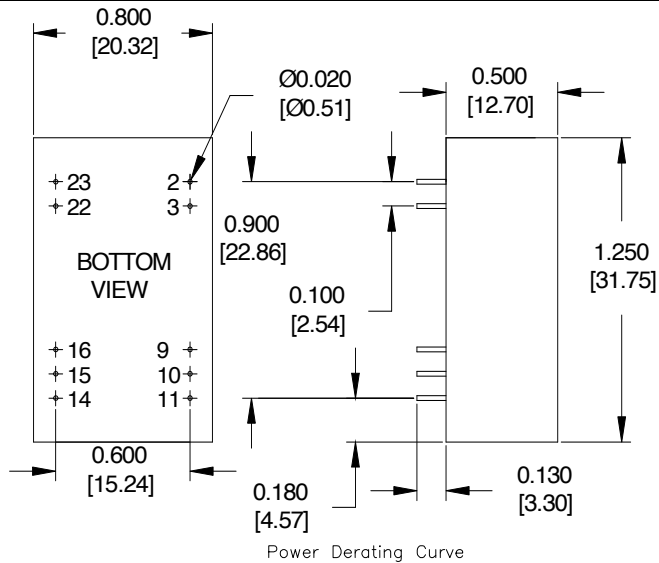
GENERAL SPECIFICATIONS

Efficiency (At Full Load)	71 to 80% typical
Isolation Voltage	1500VDC and 3000VDC
Operating Frequency	50KHz min.
Operating Temperature	-25°C to +70°C
Storage Temperature	-55°C to +125°C
Isolation Resistance	10 ⁹ Ohms, min.
Weight	0.5 Oz. (14.2 grams)
Case Material	Non-conductive Plastic

TDH4X SERIES SPECIFICATIONS

Model-Type	Input Voltage (Vdc)	Input Current mA (typ)		Output Voltage (Vdc)	Output Current mA (max)
		No Load	Full Load		
TDH4X-2403S	9-36 (24)	80	340	3.3	700
TDH4X-2405S		80	340	5	600
TDH4X-2412S		90	385	12	250
TDH4X-2415S		90	385	15	200
TDH4X-2405D		80	330	±5	±300
TDH4X-2412D		90	385	±12	±125
TDH4X-2415D		90	385	±15	±100
TDH4X-4803S	20-72 (48)	50	160	3.3	700
TDH4X-4805S		50	160	5	600
TDH4X-4812S		50	180	12	250
TDH4X-4815S		50	180	15	200
TDH4X-4805D		50	170	±5	±300
TDH4X-4812D		50	180	±12	±125
TDH4X-4815D		50	180	±15	±100

S: Single Output D: Dual Output (3000V Isolation add -3K at end of P/N)


Pin Connections

FUNCTION	Single	Dual
+ Input	22&23	22&23
- Input	2&3	2&3
+Output	14	14
Common	NC	9&16
- Output	16	11

