

TDB4W SERIES

3 Watt

DC-DC CONVERTER

24 Pin DIP 2:1 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	2:1
Output voltage Accuracy	±3%
Load Regulation	±1% (Single Output), ±2.5% (Dual Output)
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	500VDC
Isolation Capacitance	400pF max.
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	0.5 Oz. (14.2 grams)
Case Material	Non-conductive Plastic

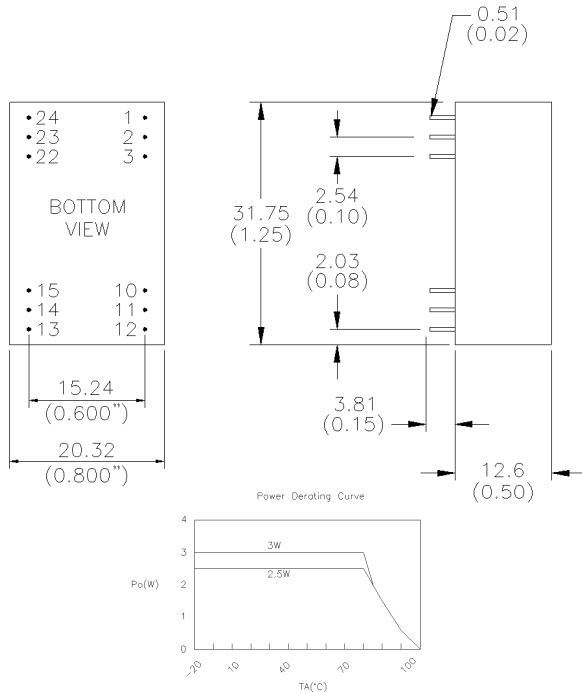
All specifications and prices subject to change without notice

TDB4W SERIES SPECIFICATIONS

Model Type	Input Voltage (Vdc)	Input Current mA (typ)		Output Voltage (Vdc)	Output Current mA (max)
		No Load	Full Load		
TDB4W-0505S	4.5-6.0 (5)	60	770	5	500
TDB4W-0512S		170	930	12	250
TDB4W-0515S		90	880	15	200
TDB4W-0505D		140	810	±5	±250
TDB4W-0512D		180	900	±12	±125
TDB4W-0515D		180	910	±15	±100
TDB4W-1205S	9-18 (12)	35	320	5	500
TDB4W-1212S		30	340	12	250
TDB4W-1215S		40	340	15	200
TDB4W-1205D		140	340	±5	±250
TDB4W-1212D		75	360	±12	±125
TDB4W-1215D		70	360	±15	±100
TDB4W-2405S	18-36 (24)	15	140	5	500
TDB4W-2412S		20	180	12	250
TDB4W-2415S		20	170	15	200
TDB4W-2405D		30	160	±5	±250
TDB4W-2412D		30	190	±12	±125
TDB4W-2415D		40	180	±15	±100
TDB4W-4805S	36-72 (48)	15	85	5	500
TDB4W-4812S		20	90	12	250
TDB4W-4815S		10	95	15	200
TDB4W-4805D		20	80	±5	±250
TDB4W-4812D		20	85	±12	±125
TDB4W-4815D		20	90	±15	±100

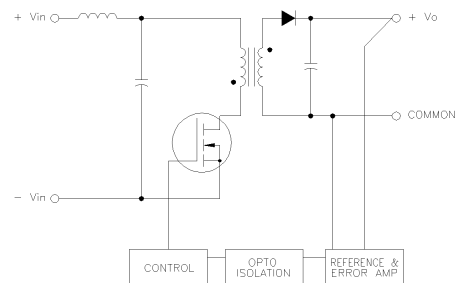
S: Single Output

D: Dual Output



Pin Connections

Pin	Single	Dual
1&24	+ Input	+ Input
2&23	NC	- Output
3&22	NC	Common
10&15	- Output	Common
11&14	+ Output	+ Output
12&13	- Input	- Input



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