



TRI-MAG, Inc.
® *your* **POWER Specialists**

1601 N. Clancy, Visalia, CA 93291
(209) 651-2222 Fax (209) 651-0188
ITT Telex Number: 4994462
Cable Address: "TRIMAG"

TDB3 SERIES

2 Watt

DC-DC CONVERTER

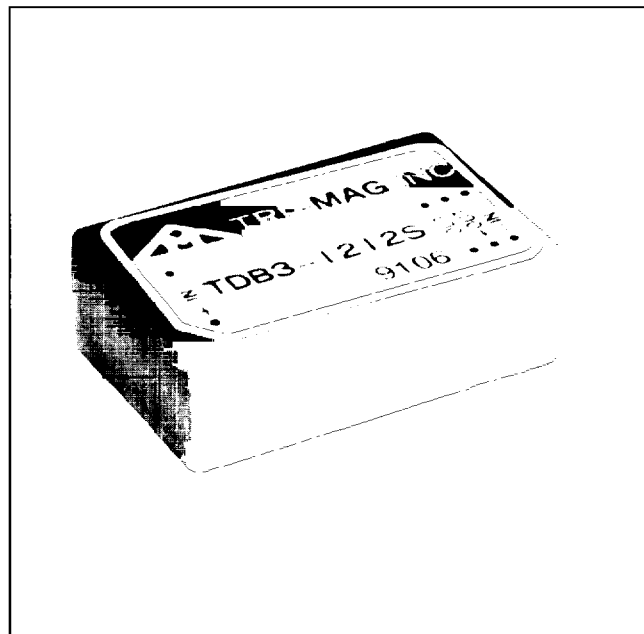
24 Pin DIP Single & Dual Output

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 Systems



ELECTRICAL SPECIFICATIONS

Input Voltage Range	±10%
Output Voltage Accuracy	±3%
Load Regulation	±1%
Line Regulation	±1%
Ripple & Noise	50mV p-p for 5V, 1% for other Voltages
Short Circuit Protection	Short Term, (10 sec. max.)

GENERAL SPECIFICATIONS

Efficiency (at full load)	70% typical
Isolation Voltage	500 VDC
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. (14.2grams)
Case Material	Non-conductive Plastic



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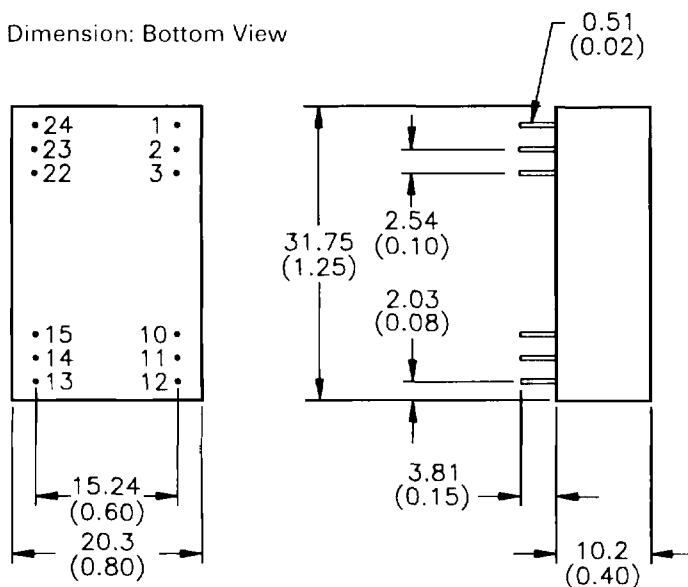
TDB3 SERIES SPECIFICATIONS

Model-Type	Input Voltage (Vdc)	Input Current mA (typ)	Output Voltage (Vdc)	Output Current mA (max)
TDB3 - 0505S	5	660	5	360
TDB3 - 0509S	5	700	9	200
TDB3 - 0512S	5	560	12	150
TDB3 - 0515S	5	560	15	120
TDB3 - 0505D	5	400	±5	±180
TDB3 - 0512D	5	560	±12	±75
TDB3 - 0515D	5	600	±15	±60
TDB3 - 1205S	12	250	5	360
TDB3 - 1209S	12	270	9	250
TDB3 - 1212S	12	220	12	150
TDB3 - 1212D	12	240	±12	±75
TDB3 - 1215D	12	240	±15	±60
TDB3 - 2405S	24	140	5	360
TDB3 - 2412S	24	120	12	150
TDB3 - 2415S	24	110	15	120
TDB3 - 2412D	24	108	±12	±75
TDB3 - 2415D	24	108	±15	±60
TDB3 - 4805S	48	65	5	360
TDB3 - 4812S	48	60	12	150
TDB3 - 4815S	48	63	15	120
TDB3 - 4812D	48	65	±12	±75
TDB3 - 4815D	48	68	±15	±60

S: Single Output D: Dual Output

Specifications subject to change without notice.

Dimension: Bottom View



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