



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"

TDC7 SERIES

7.5 Watts

DC-DC CONVERTER

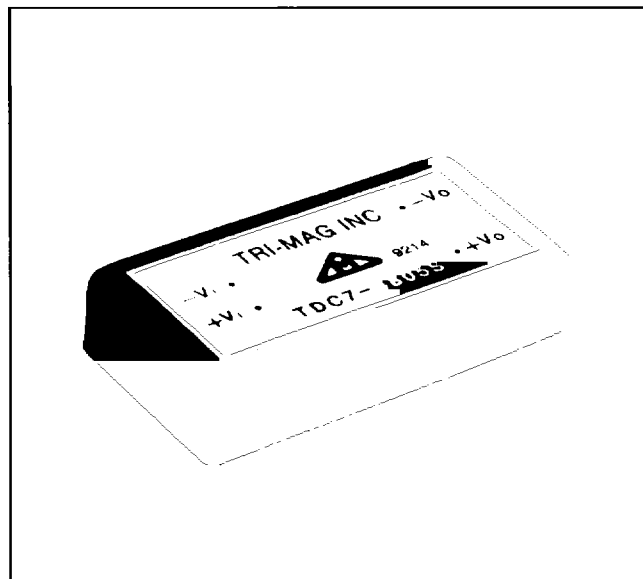
2:1 Wide Range Input

FEATURES

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

APPLICATIONS

- Telecommunications
- Industrial And Testing Equipment
- Battery-Powered Equipment
- Medical Equipment
- Computer And Peripheral Equipment
- Distributed Power Systems



ELECTRICAL SPECIFICATIONS

Input Voltage Range	2:1
Output Voltage Accuracy	±1%
Load Regulation	±0.5%
Line Regulation	±0.5%
Ripple & Noise	100mV p-p for 5V, 1% for other Voltages
Short Circuit Protection	Permanent

GENERAL SPECIFICATIONS

Efficiency (at full load)	80% Typical
Isolation Voltage	500 VDC
Operating Frequency	100 KHz min.
Operating Temperature	0° C to 70° C Based Temperature
Storage Temperature	-40° C to +100° C
Isolation Resistance	10 ¹¹ Ohms, min.
Weight	1.5 Oz. (42 grams)
Case Material	Black coated copper with non-conductive metal base



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Model-Type	Input Voltage (Vdc)	Input Current mA (typ)	Output Voltage (Vdc)	Output Current mA (max)
TDC7-1205S	9-18 (12)	786	5	1500
TDC7-1212S		786	12	625
TDC7-1215S		786	+15	500
TDC7-2405S	18-36 (24)	384	5	1500
TDC7-2412S		384	12	625
TDC7-2415S		384	15	500
TDC7-4805S	36-72 (48)	198	5	1500
TDC7-4812S		198	12	625
TDC7-4815S		198	15	500

S: Single Output

Pin Connections

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

