



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"

975ZW SERIES

15 Watt

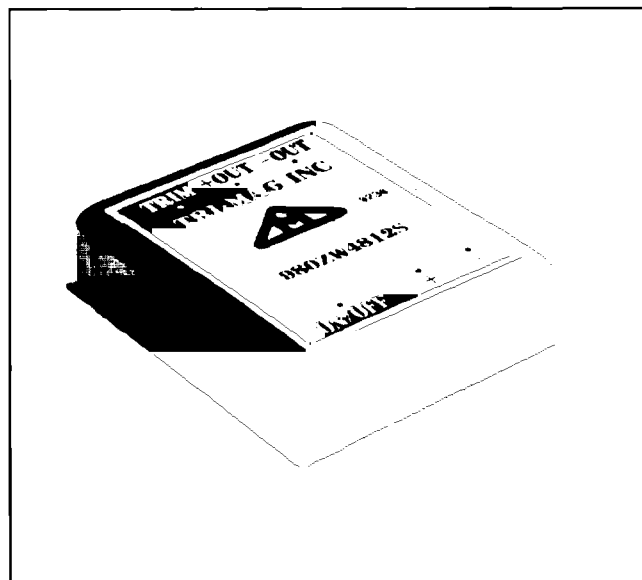
DC-DC CONVERTER
2:1 Wide Range Input

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	$\pm 1\%$
Load Regulation	Single & Dual $\pm 1\%$, Triple $\pm 5\%$
Line Regulation (Triple Output / Single Output)	Single & Dual $\pm 0.5\%$, Triple $\pm 1\%$, ($\pm 1\%$ / $\pm 5\%$)
Ripple & Noise	50mV p-p for 5V, 1% for other Voltages
Short Circuit Protection	Continuous
Overvoltage Protection	Trip point 6.8 or rated output +3V

GENERAL SPECIFICATIONS

Efficiency (at full load)	70% typical
Isolation Voltage	500 VDC
Operating Frequency	40KHz min.
Operating Temperature	-25° C to +70° C
Storage Temperature	-40° C to +100° C
Isolation Resistance	10 ⁹ Ohms, min.
Reflected Ripple Current	20mA, typical
Weight	12 Oz. (340 grams)
Case Material	Metal



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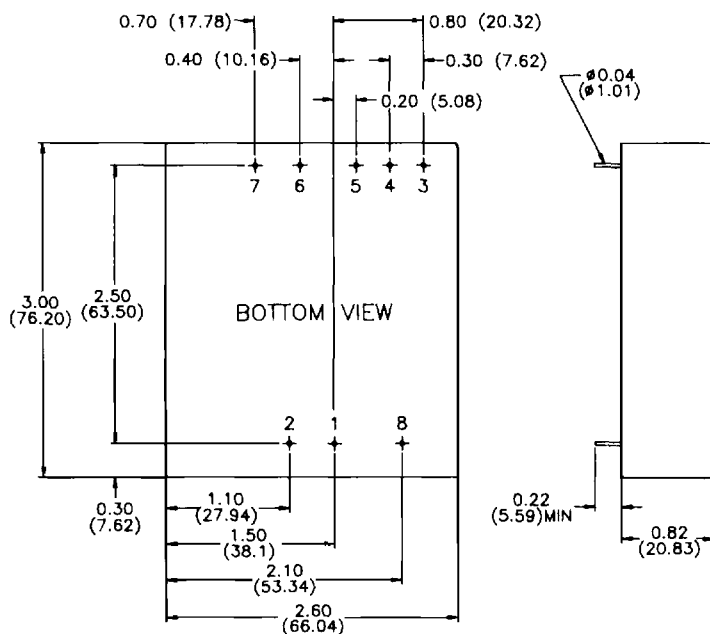
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975ZW SERIES SINGLE & DUAL OUTPUT SPECIFICATIONS

Model-Type	Input Voltage (Vdc)	Input Current mA (typ)	Output Voltage (Vdc)	Output Current mA (max)
975ZW1205S	9-18 (12)	1570	5	3000
975ZW1212S		1500	12	1250
975ZW1215S		1500	15	1000
975ZW1212D		1520	±12	±625
975ZW1215D		1520	±15	±500
975ZW2405S	18-36 (24)	780	5	3000
975ZW2412S		760	12	1250
975ZW2415S		760	15	1000
975ZW2412D		750	±12	±625
975ZW2415D		750	±15	±500
975ZW4805S	36-72 (48)	380	5	3000
975ZW4812S		370	12	1250
975ZW4815S		370	15	1000
975ZW4812D		390	±12	±625
975ZW4815D		390	±15	±500

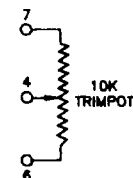
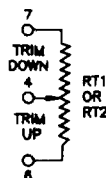
S: Single Output D: Dual Output

Specifications subject to change without notice.



EXTERNAL OUTPUT TRIMMING

OUTPUT MAY OPTIONALLY BE EXTERNALLY TRIMMED ($\pm 10\%$) WITH A FIXED RESISTOR OR AN EXTERNAL TRIMPOT AS SHOWN





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975ZW SERIES TRIPLE OUTPUT SPECIFICATIONS

Model-Type	Input Voltage (Vdc)	Input Current mA (typ)	Output Voltage (Vdc)	Output Current mA (max)
975ZW12T01	9-18 (12)	1620	+5	1500
			+12	310
			-12	310
975ZW12T02		1620	+5	1500
			+15	250
			-15	250
975ZW12T03		1485	+5	1500
			+12	310
			-5	500
975ZW24T01	18-36 (24)	780	+5	1500
			+12	310
			-12	310
975ZW24T02		750	+5	1500
			+15	250
			-15	250
975ZW24T03		716	+5	1500
			+12	310
			-5	500
975ZW48T01	36-72 (48)	380	+5	1500
			+12	310
			-12	310
975ZW48T02		380	+5	1500
			+15	250
			-15	250
975ZW48T03		350	+5	1500
			+12	310
			-5	500

Specifications subject to change without notice.

Pin Connections

Pin	Single	Dual	Triple
1	+ Input	+ Input	+ Input
2	- Input	- Input	- Input
3	N/C	+ Output	+ Output
4	Output Trim	Common	Common
5	N/C	- Output	- Output
6	+ Output	N/C	+5V Output
7	- Output	N/C	N/C
8	Remote On/Off Control		