



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"

975ZX SERIES

15 Watt

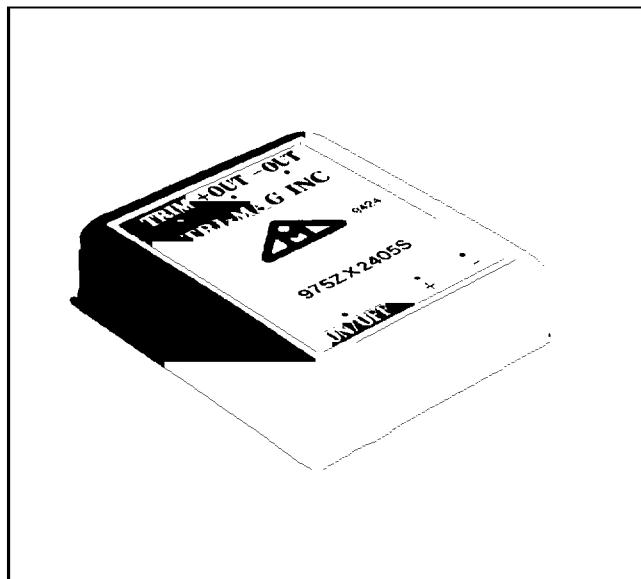
DC-DC CONVERTER
4:1 Wide Range Input

FEATURES

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

APPLICATIONS

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



ELECTRICAL SPECIFICATIONS

Input Voltage Range	4:1
Output Voltage Accuracy	Single & Dual $\pm 1\%$, Triple +V1 & -V2 $\pm 2\%$, +V3 $\pm 5\%$
Load Regulation	Single & Dual $\pm 1\%$, Triple $\pm 2\%$
Line Regulation (Triple Output / Single Output)	Single & Dual $\pm 0.5\%$, Triple, $\pm 1\%$
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 Ohms, min.
Reflected Ripple Current	20mA, typical
Weight	12 Oz. (340 grams)
Case Material	Black coated copper with non-conductive metal base



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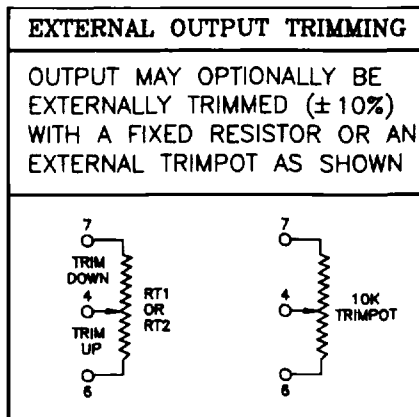
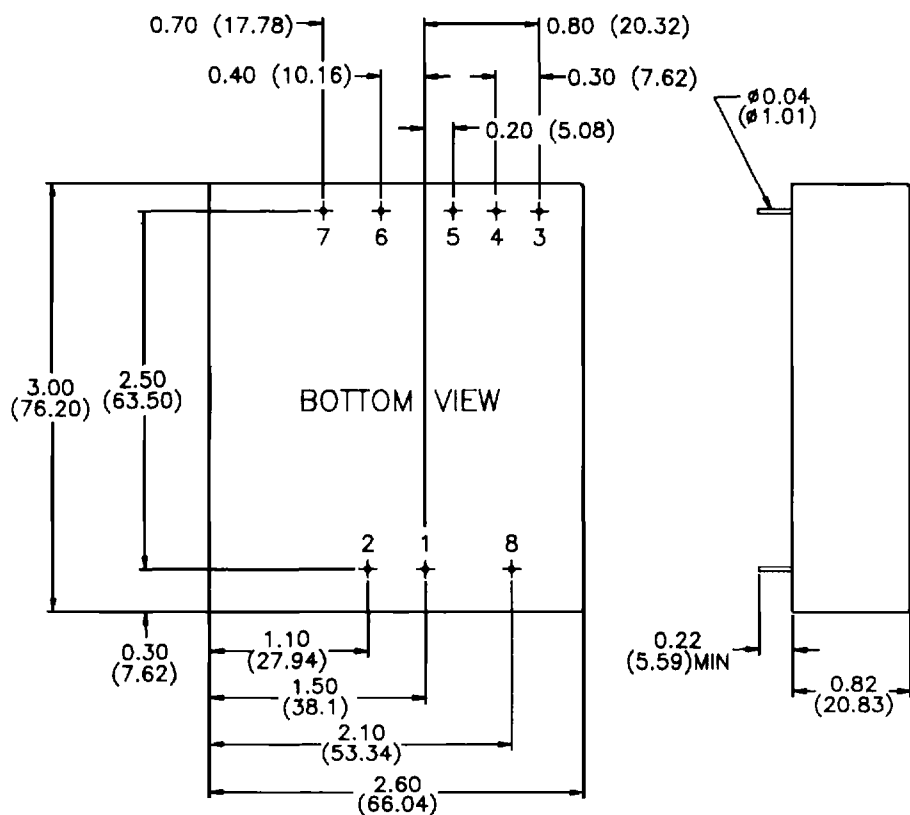
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975ZX SERIES SINGLE & DUAL OUTPUT SPECIFICATIONS

Model-Type	Input Voltage (Vdc)	Input Current mA (typ)	Output Voltage (Vdc)	Output Current mA (max)
975ZX2405S	9-36 (24)	892	5	3000
975ZX2412S		892	12	1250
975ZX2415S		892	15	1000
975ZX2412D		892	±12	±625
975ZX2415D		892	±15	±500
975ZX4805S	20-72 (48)	446	5	3000
975ZX4812S		446	12	1250
975ZX4815S		446	15	1000
975ZX4812D		446	±12	±625
975ZX4815D		446	±15	±500

S: Single Output D: Dual Output

Specifications subject to change without notice.





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975ZX SERIES TRIPLE OUTPUT SPECIFICATIONS

Model-Type	Input Voltage (Vdc)	Input Current mA (typ)	Output Voltage (Vdc)	Output Current mA (max)
975ZX24T01	9-36 (24)	890	+5	1500
			+12	310
			-12	310
975ZX24T02		890	+5	1500
			+15	250
			-15	250
975ZX24T03		890	+5	1500
			+12	310
			-5	500
975ZX48T01	20-72 (48)	446	+5	1500
			+12	310
			-12	310
975ZX48T02		446	+5	1500
			+15	250
			-15	250
975ZX48T03		446	+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		

Specifications subject to change without notice.