



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"

980ZX SERIES

30 Watt

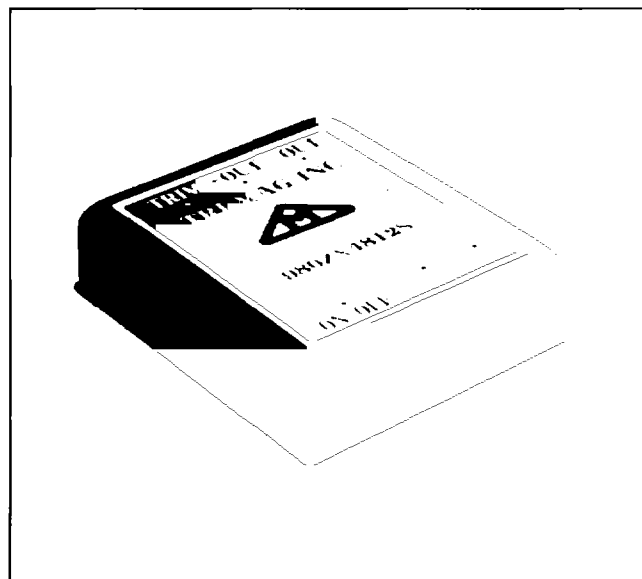
DC-DC CONVERTER
4:1 Wide Range Input

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
Onput Voltage Accuracy	Single & Dual $\pm 1\%$, Triple +V1 & -V2 $\pm 2\%$, +V3 $\pm 5\%$
Load Regulation	Single $\pm 1\%$, Dual $\pm 2\%$, Triple: $\pm 2\%$
Line Regulation	Single & Dual $\pm 0.5\%$ max., Triple: $\pm 1\%$
Ripple & Noise	Single & Dual 50mV p-p for 5V, 1% for other Voltages, Triple $\pm 5V$ -2% P-P, other 1% P-P
Short Circuit Protection	Continuous (Fold-back)
Overvoltage Protection	Triple Point 6.8V or rated output +3V

GENERAL SPECIFICATIONS

Efficiency (at full load)	75% typical
Isolation Voltage	500 VDC
Operating Frequency	100KHz 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	7.5Oz. (210 grams)
Case Material	Black Coated Copper with non-conductive base

980ZX SERIES SINGLE & DUAL OUTPUT SPECIFICATIONS

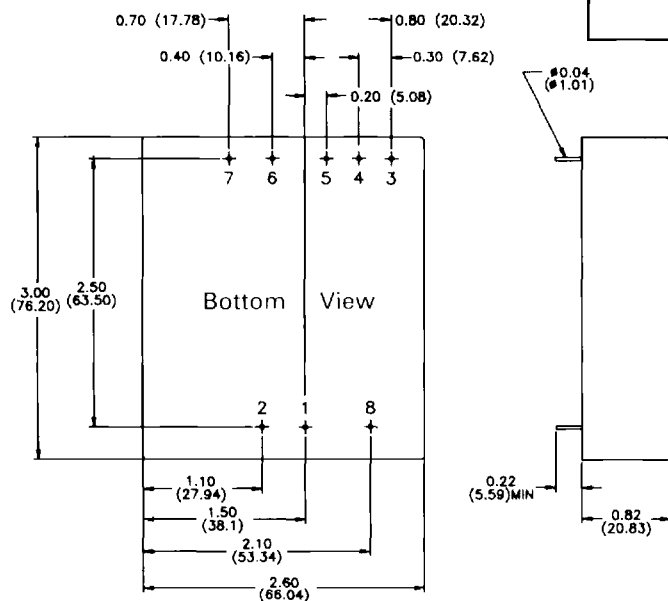
Model-Type	Input Voltage (Vdc)	Input Current mA (typ)	Output Voltage (Vdc)	Output Current mA (max)
980ZX2405S	9-36 (24)	1360	5	6000
980ZX2412S		1500	12	2500
980ZX2415S		1500	15	2000
980ZX2412D		1500	±12	±1250
980ZX2415D		1500	±15	±1000
980ZX4805S	20-72 (48)	800	5	6000
980ZX4812S		800	12	2500
980ZX4815S		800	15	2000
980ZX4812D		830	±12	±1250
980ZX4815D		830	±15	±1000

S: Single Output D: Dual Output

Specifications subject to change without notice.

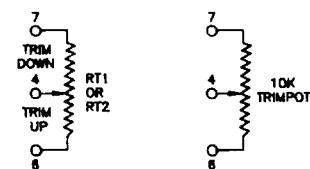
Pin Connections

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		



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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980ZX SERIES TRIPLE OUTPUT SPECIFICATIONS

Model-Type	Input Voltage (Vdc)	Input Current mA (typ)	Output Voltage (Vdc)	Output Current mA (max)
980ZX24T01	9-36 (24)	1560	±5	3000
			±12	600
			-12	600
980ZX24T02			+5	3000
			+15	500
			-15	500
980ZX24T03			+5	3000
			+12	600
			-5	1000
980ZX48T01	20-72 (48)	780	+5	3000
			+12	600
			-12	600
980ZX48T02			+5	3000
			+15	500
			-15	500
980ZX48T03			±5	3000
			+12	600
			-5	1000

Specifications subject to change without notice.

