



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"

949ZX SERIES

5 Watt

DC-DC CONVERTER

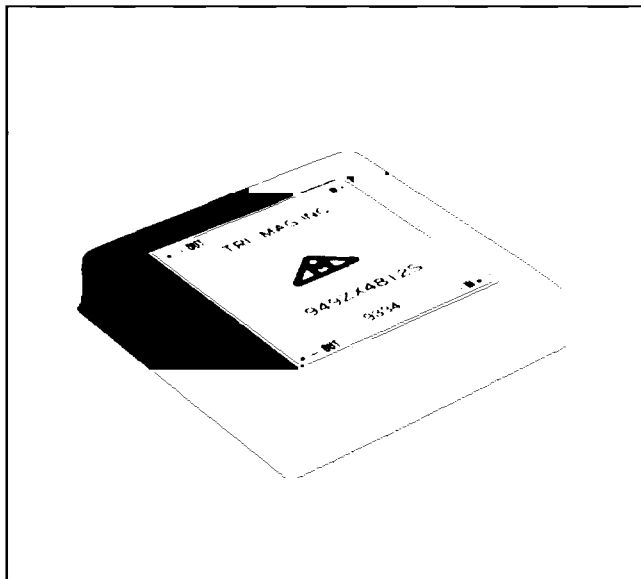
3:1 & 4:1 Wide Range Input

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

Output Power, P _{out}	3:1 & 4:1
Output Voltage Range	±1.5%
Load Regulation	±1%
Line Regulation	±0.5%
Ripple & Noise	50mV p-p for 5V, 1% for other Voltages
Short Circuit Protection	Continuous
Overvoltage Protection	All Output

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 ¹⁰ Ohms, min.
Reflected Ripple Current	20mA p-p max.
Weight	3.0 Oz. (90 grams)
Case Material	Metal



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Model-Type	Input Voltage (Vdc)	Input Current mA (typ)	Output Voltage (Vdc)	Output Current mA (max)
949ZX1205S	9-36 (24)	297	5	1000
949ZX1212S		297	12	400
949ZX1215S		297	15	330
949ZX1212D	9-27 (24)	310	±12	±200
949ZX1215D		310	±15	±167
949ZX4805S	20-72 (48)	149	5	1000
949ZX4812S		149	12	400
949ZX4815S		149	15	330
949ZX4812D	20-60 (48)	151	±12	±200
949ZX4815D		151	±15	±167

S: Single Output D: Dual Output

Pin	Single	Dual
1	+ Input	+ Input
2	- Input	- Input
3	+ Output	+ Output
4	NC	Common
5	- Output	- Output

