



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"

949ZW SERIES

5 Watt

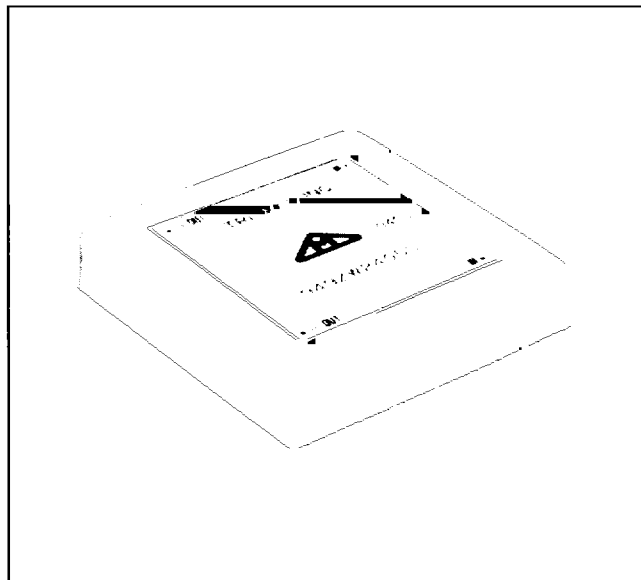
DC-DC CONVERTER
2:1 Wide Range Input

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 Power, Range	2:1
Output Voltage Accuracy	±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	2.0 Oz. (56 grams)
Case Material	Metal



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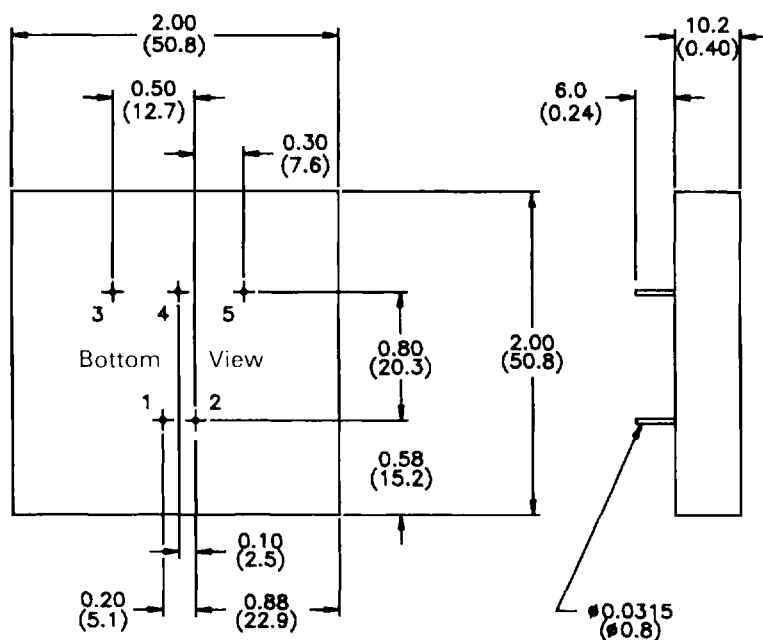
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949ZW SERIES SPECIFICATIONS

Model-Type	Input Voltage (Vdc)	Input Current mA (typ)	Output Voltage (Vdc)	Output Current mA (max)
949ZW0505S	4.5-6.0 (5)	1680	5	1000
949ZW0512S		1520	12	400
949ZW0515S		1500	15	330
949ZW0512D		1600	±12	±200
949ZW0515D		1540	±15	±167
949ZW1205S	9-18 (12)	640	5	1000
949ZW1212S		620	12	400
949ZW1215S		600	15	333
949ZW1212D		700	±12	±200
949ZW1215D		630	±15	±167
949ZW2405S	18-36 (24)	300	5	1000
949ZW2412S		280	12	400
949ZW2415S		270	15	333
949ZW2412D		290	±12	±200
949ZW2415D		300	±15	±167
949ZW4805S	36-72 (48)	150	5	1000
949ZW4812S		140	12	400
949ZW4815S		133	15	333
949ZW4812D		150	±12	±200
949ZW4815D		145	±15	±167

S: Single Output D: Dual Output

Specifications subject to change without notice.



Pin Connections

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