



TRI-MAG, Inc.

® *your* POWER Specialists

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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

- Local Area Network
- Isolation Devices
- Telecommunications
- Industrial And Testing Equipment
- Battery-Powered Equipment
- Medical Equipment
- Distributed Power Equipment



ELECTRICAL SPECIFICATIONS

Input Voltage Range	3:1 & 4:1
Output voltage Accuracy	±2%
Load Regulation	±1% (Single Output), ±2.5% (Dual Output)
Line Regulation	±1% .
Ripple & Noise	50mV p-p for 5V, 1% for other voltages
Short Circuit Protection	Fold back
Over voltage Protection	Build-in

GENERAL SPECIFICATIONS

Efficiency (at full load)	70% typical
Isolation Voltage	500VDC
Operating Frequency	50KHz 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 p-p max.
weight	3.0 Oz. (90 grams)
Case Material	Black coated copper with non-conductive plastic base



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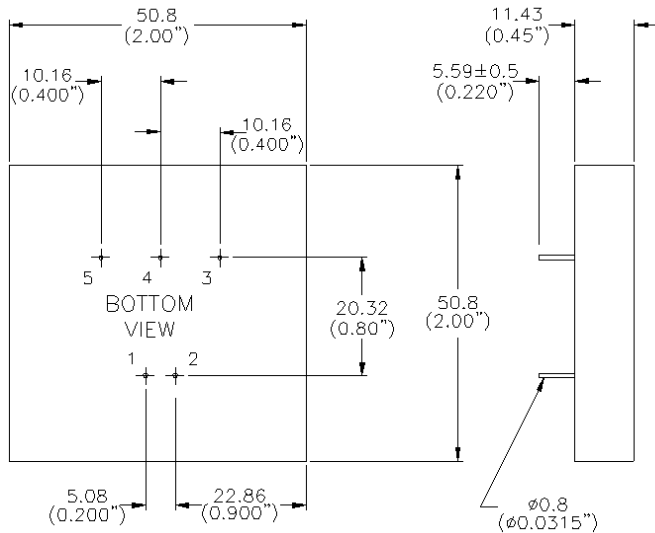
949ZX SERIES SPECIFICATIONS

Model-Type	Input Voltage (Vdc)	Input Current mA (typ)		Output Voltage (Vdc)	Output Current mA (max)
		No Load	Full Load		
949ZX1205S	9-36 (24)	60	660	5	1000
949ZX1212S		60	590	12	400
949ZX1215S		60	595	15	330
949ZX1212D	9-27 (24)	90	635	±12	±200
949ZX1215D		135	660	±15	±167
949ZX4805S	20-72 (48)	30	300	5	1000
949ZX4812S		30	285	12	400
949ZX4815S		30	300	15	330
949ZX4812S	20-60 (48)	65	320	±12	±200
949ZX4815S		50	325	±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

