



TRI-MAG, Inc.

® *your* POWER Specialists

1601 N. CLANCY CT. • VISALIA, CA 93291
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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

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



ELECTRICAL SPECIFICATIONS

Input Voltage Range	2:1
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
Overload Protection	Built-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	2.0 Oz. (56 grams)
Case Material	Black coated copper with non-conductive plastic base



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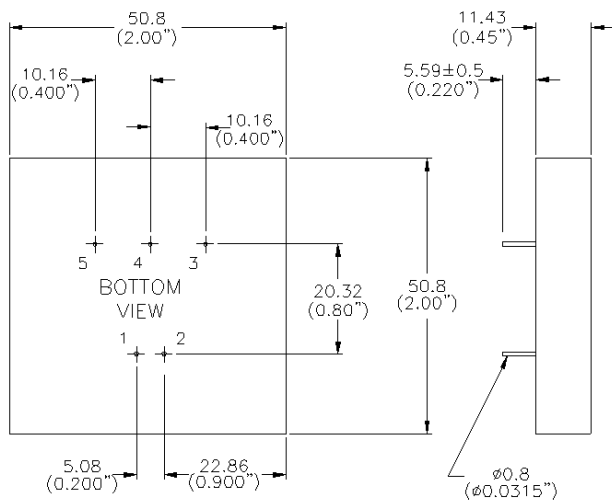
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949ZW SERIES SPECIFICATIONS

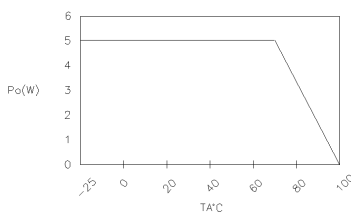
Model-Type	Input Voltage (Vdc)	Input Current mA (typ)		Output Voltage (Vdc)	Output Current mA (max)
		No Load	Full Load		
949ZW0505S	4.5-6.0 (5)	165	1665	5	1000
949ZW0512S		155	1550	12	400
949ZW0515S		145	1425	15	330
949ZW0512D		175	1550	±12	±200
949ZW0515D		170	1540	±15	±167
949ZW1205S	9-18 (12)	50	595	5	1000
949ZW1212S		60	590	12	400
949ZW1215S		60	600	15	333
949ZW1212D		120	615	±12	±200
949ZW1215D		80	625	±15	±167
949ZW2405S	18-36 (24)	35	310	5	1000
949ZW2412S		30	290	12	400
949ZW2415S		30	290	15	333
949ZW2412D		40	310	±12	±200
949ZW2415D		40	320	±15	±167
949ZW4805S	36-72 (48)	15	155	5	1000
949ZW4812S		15	150	12	400
949ZW4815S		15	150	15	333
949ZW4812D		30	160	±12	±200
949ZW4815D		35	165	±15	±167

S: Single Output

D: Dual Output

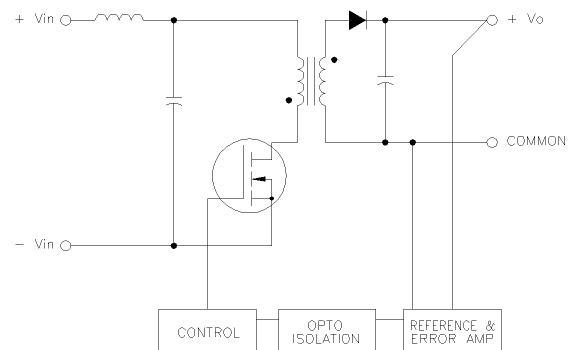


Power Derating Curve



Pin Connections

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



All specifications and prices subject to change without notice