



TRI-MAG, Inc.
 your POWER Specialists

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990ZW SERIES

50 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	±1%
Load Regulation	±1%
Line Regulation	±0.5%
Ripple & Noise	50mV p-p for 5V, 1% for other voltages
Short Circuit Protection	Fold-Back
Overload Protection	Build-in

GENERAL SPECIFICATIONS

Efficiency (at full load)	70% typical
Isolation Voltage	3750V
Operating Frequency	200KHz 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, typical
Weight	12.7 Oz. (358 grams)
Case Material	Black coated with non-conductive metal base



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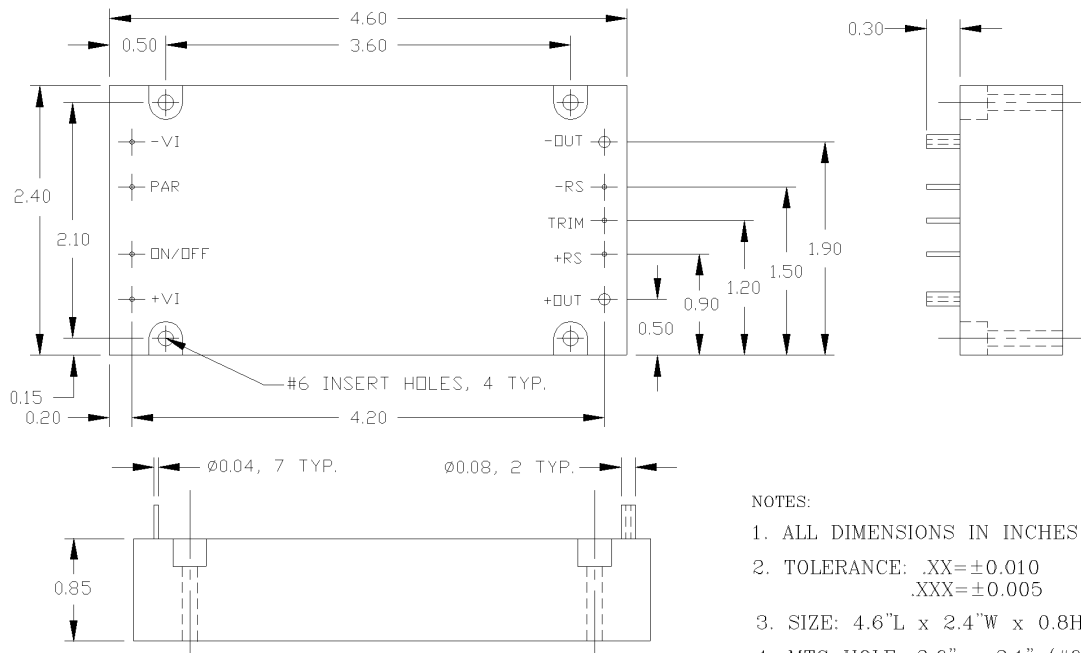
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990ZW SERIES SPECIFICATIONS

Model-Type	Input Voltage (Vdc)	Input Current A (typ)	Output Voltage (Vdc)	Output Current A (max)
990ZW1203S	9-18 (12)	5.20	3.3	15
990ZW1205S		5.20	5	10
990ZW1212S		5.20	12	4.2
990ZW1215S		5.20	15	3.3
990ZW1224S		5.20	24	2.0
990ZW1248S		5.20	48	1.0
990ZW2403S	18-36 (24)	2.60	3.3	15
990ZW2405S		2.60	5	10
990ZW2412S		2.60	12	4.2
990ZW2415S		2.60	15	3.3
990ZW2424S		2.60	24	2.0
990ZW2448S		2.60	48	1.0
990ZW4803S	36-72 (48)	1.30	3.3	15
990ZW4805S		1.30	5	10
990ZW4812S		1.30	12	4.2
990ZW4815S		1.30	15	3.3
990ZW4824S		1.30	24	2.0
990ZW4848S		1.30	48	1.0

S: Single Output

1. SINGLE OUTPUT PACKAGE



- NOTES:
1. ALL DIMENSIONS IN INCHES
 2. TOLERANCE: .XX=±0.010
.XXX=±0.005
 3. SIZE: 4.6"L x 2.4"W x 0.8H"
 4. MTG HOLE: 3.6" x 2.1" (#6 CL.)