TRI-MAG, Inc.
® your POWER Specialists

1601 N. CLANCY CT. • VISALIA, CA 93291
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960ZW SERIES

10 Watt

FEATURES

DC-DC CONVERTER

2:1 Wide Range Input

- PCB Mountable
- High Stable Regulated Output

APPLICATIONS

- Thermally Conductive Encapsulant
- 100% Burn-In And Triple Tested
- MTBF > 400,000 Hours
- Local Area Network
- Isolation Devices

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	Build-in

GENERAL SPECIFICATIONS	
Efficiency (at full load)	70% typical
Isolation Voltage	500VDC
Operating Frequency	50KHz min.
Operating Temperature	-25ºC to +70ºC
Storage Temperature	-40ºC to +100ºC
Isolation Resistance	10^9 Ohms, min.
Reflected Ripple Current	20mA p-p max.
Weight	8.0 Oz. (224 grams)
Case Material	Metal

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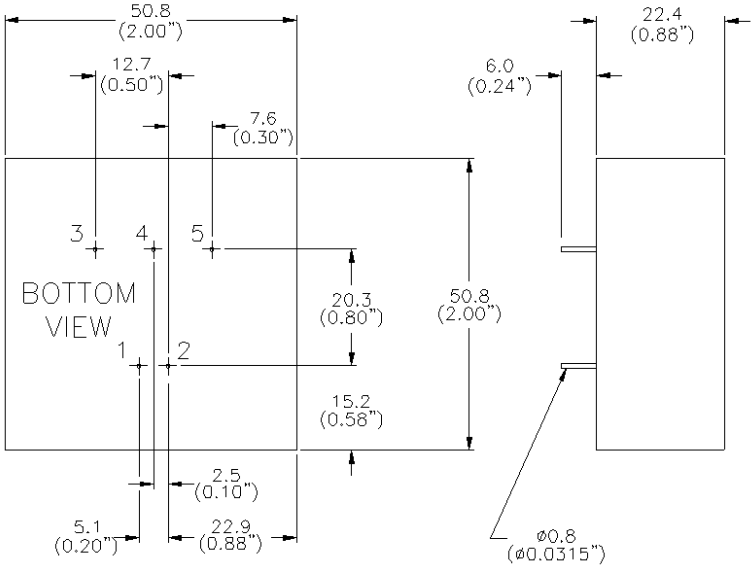
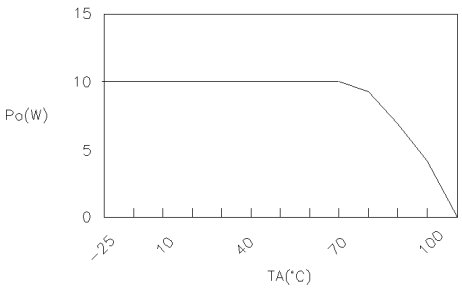
960ZW SERIES SPECIFICATIONS

Model Type	Input Voltage (Vdc)	Input Current mA (typ)		Output Voltage (Vdc)	Output Current mA (max)
		No Load	Full Load		
960ZW1205S	9-18 (12)	110	1260	5	2000
960ZW1212S		110	1195	12	800
960ZW1215S		110	1195	15	667
960ZW1212D		130	1250	±12	±400
960ZW1215D		125	1260	±15	±333
960ZW2405S	18-36 (24)	70	670	5	2000
960ZW2412S		55	530	12	800
960ZW2415S		55	555	15	667
960ZW2412D		120	645	±12	±400
960ZW2415D		125	630	±15	±333
960ZW4805S	36-72 (48)	35	320	5	2000
960ZW4812S		30	290	12	800
960ZW4815S		30	300	15	667
960ZW4812D		60	290	±12	±400
960ZW4815D		60	310	±15	±333

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