



TRI-MAG, Inc.

® *your* POWER Specialists

1601 N. CLANCY CT. • VISALIA, CA 93291
(559) 651-2222 • FAX (559) 651-0188
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982ZW SERIES

30 Watt Low Profile

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	Single ±1%, Dual ±2.5%,
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	500VDC
Operating Frequency	100KHz 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	16 Oz. (454 grams)
Case Material	Black coated with non-conductive metal base



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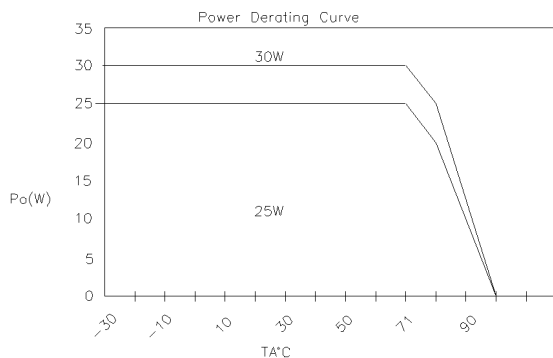
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982ZW SERIES SINGLE AND DUAL OUTPUT SPECIFICATIONS

Model-Type	Input Voltage (Vdc)	Input Current mA (typ)		Output Voltage (Vdc)	Output Current mA (max)
		No Load	Full Load		
982ZW1205S	9-18 (12)	28	2671	5	5000
982ZW1212S		28	2500	12	2000
982ZW1215S		28	2580	15	1650
982ZW1205D		28	2671	±5	±2500
982ZW1212D		28	2500	±12	±1000
982ZW1215D		28	2594	±15	±830
982ZW2405S	18-36 (24)	25	1563	5	6000
982ZW2412S		25	1543	12	2500
982ZW2415S		25	1542	15	2000
982ZW2405D		25	1563	±5	±3000
982ZW2412D		25	1543	±12	±1250
982ZW2415D		25	1524	±15	±1000
982ZW4805S	36-72 (48)	22	753	5	6000
982ZW4812S		22	753	12	2500
982ZW4815S		22	744	15	2000
982ZW4805D		22	762	±5	±3000
982ZW4812D		22	753	±12	±1250
982ZW4815D		22	744	±15	±1000

S: Single Output D: Dual Output



Pin Connections

Pin	Single	Dual	Triple
1	On/Off		
2	+ Input	+ Input	+ Input
3	- Input	- Input	- Input
4	No Pin		
5	No Pin	+ Output	+ Output
6	Trim	Common	Common
7	No Pin	- Output	- Output
8	+ Output	Trim	+5V Output
9	- Output	No Pin	No Pin
10	No Pin	No Pin	Trim



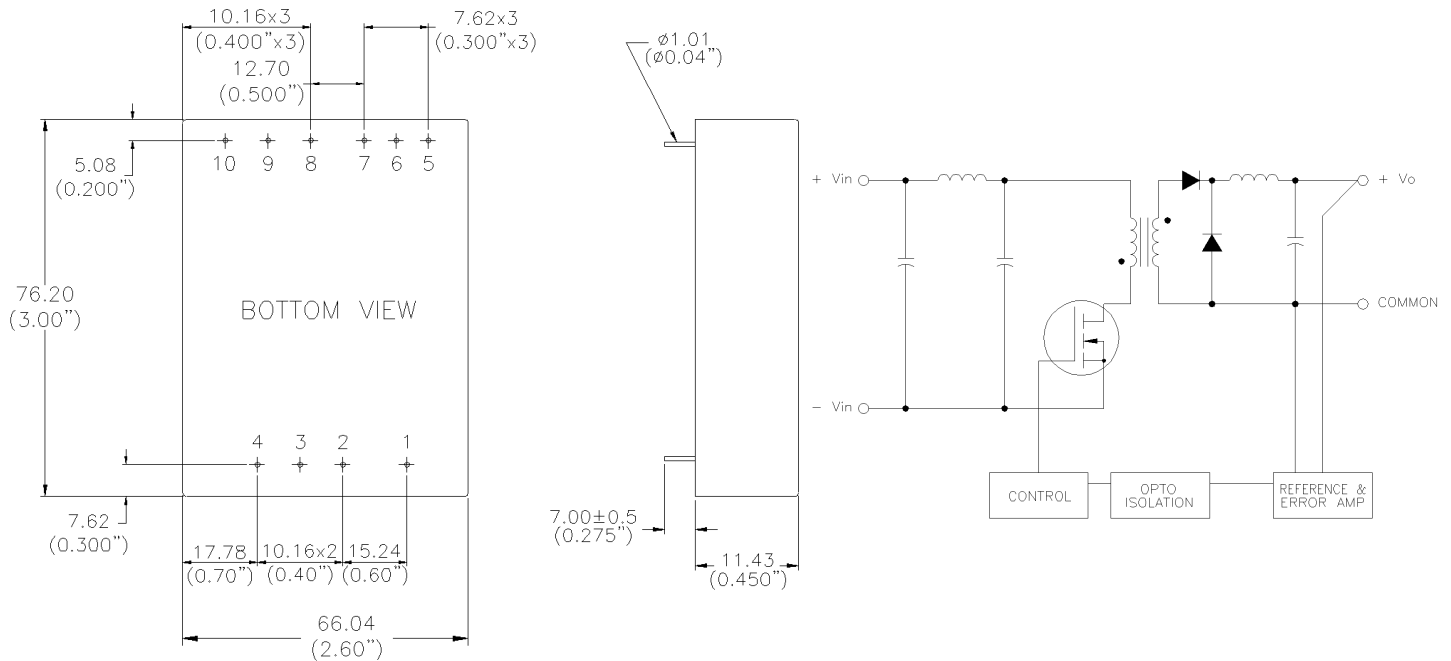
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982ZW SERIES TRIPLE OUTPUT SPECIFICATIONS

Model-Type	Input Voltage (Vdc)	Input Current mA (typ)		Output Voltage (Vdc)	Output Current mA (max)
		No Load	Full Load		
982ZW12T01	9-18 (12)	38	2618	+5	+2500
				+12	+500
				-12	-500
982ZW12T02		38	2520	+5	+2500
				+15	+400
				-15	-400
982ZW24T01	18-36 (24)	42	1543	+5	+3000
				+12	+625
				-12	-625
982ZW24T02		42	1543	+5	+3000
				+15	+500
				-15	-500
982ZW48T01	36-72 (48)	42	772	+5	+3000
				+12	+625
				-12	-625
982ZW48T02		42	772	+5	+3000
				+15	+500
				-15	-500



All specifications and prices subject to change without notice