



TRI-MAG, Inc.

® *your* POWER Specialists

1601 N. CLANCY CT. • VISALIA, CA 93291
(559) 651-2222 • FAX (559) 651-0188
<http://www.tri-mag.com>
<http://eemonline.com/tri-mag>
tri-mag@worldnet.att.net

980ZW SERIES

30 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	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



TRI-MAG, Inc.

® *your* POWER Specialists

1601 N. CLANCY CT. • VISALIA, CA 93291

(559) 651-2222 • FAX (559) 651-0188

<http://www.tri-mag.com>

<http://eemonline.com/tri-mag>

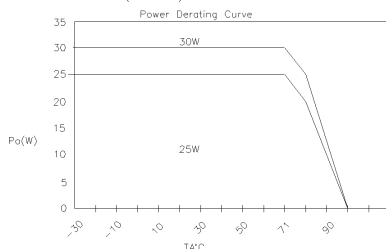
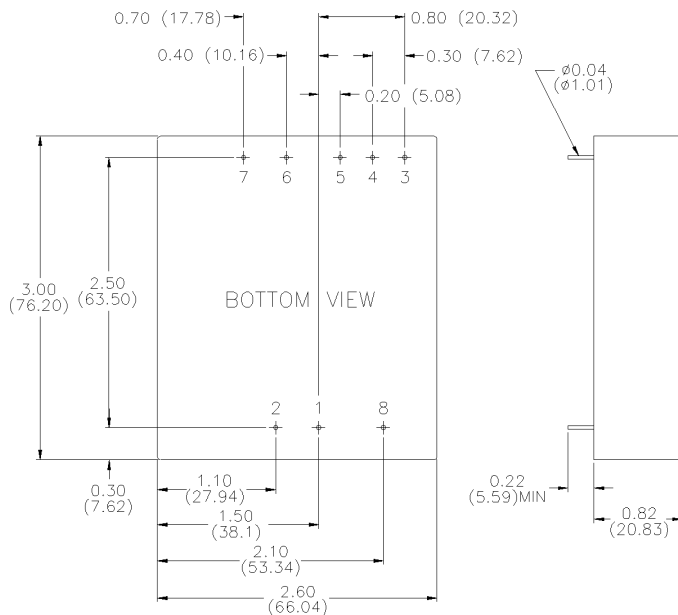
tri-mag@worldnet.att.net

980ZW 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		
980ZW1205S	9-18 (12)	30	2780	5	5000
980ZW1212S		30	3290	12	2500
980ZW1215S		30	3290	15	2000
980ZW1212D		50	3335	±12	±1250
980ZW1215D		50	3335	±15	±1000
980ZW2405S	18-36 (24)	30	1335	5	6000
980ZW2412S		30	1560	12	2500
980ZW2415S		30	1580	15	2000
980ZW2412D		50	1560	±12	±1250
980ZW2415D		50	1560	±15	±1000
980ZW4805S	36-72 (48)	30	800	5	6000
980ZW4812S		30	780	12	2500
980ZW4815S		30	780	15	2000
980ZW4812D		40	780	±12	±1250
980ZW4815D		40	780	±15	±1000

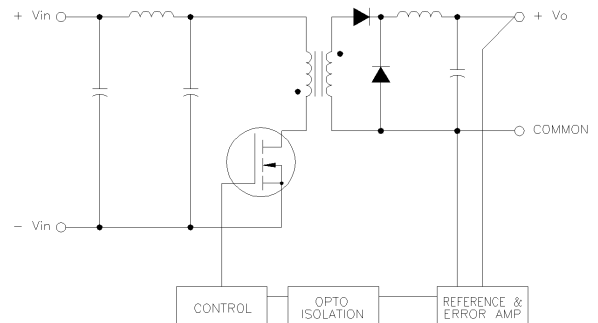
S: Single Output

D: Dual Output



Pin Connections

Pin	Single	Dual
1	+ Input	+ Input
2	- Input	- Input
3	NC	+ Output
4	Trim	Common
5	NC	- Output
6	+ Output	NC
7	- Output	NC
8	Remote On/Off	



All specifications and prices subject to change without notice