



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

982ZX SERIES

30 Watt Low Profile

DC-DC CONVERTER

4:1 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	4:1
Output voltage Accuracy	±2%
Load Regulation	Single ±1%, Dual ±2.5%, Triple ±2.5%
Line Regulation	Single & Dual ±0.5% max., Triple ±1%
Ripple & Noise	Single & Dual 50mV p-p for 5V, 1% for other voltages, Triple ±5V -2% p-p, other 1% p-p
Short Circuit Protection	Fold-Back
Overload Protection	Build-in

GENERAL SPECIFICATIONS

Efficiency (at full load)	75% 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	7.5 Oz. (210 grams)
Case Material	Black coated with non-conductive metal base



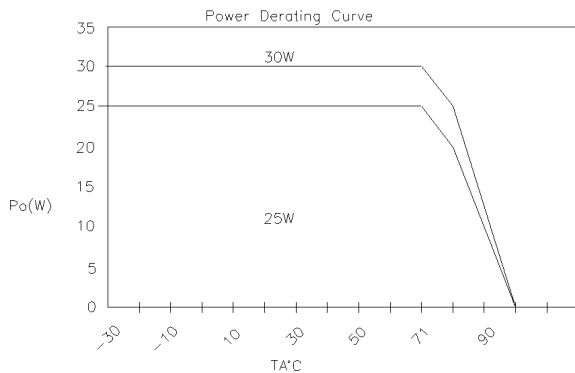
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982ZX SERIES SINGLE AND DUAL OUTPUT SPECIFICATIONS

Model Type	Input Voltage (Vdc)	Input Current mA (typ)		Output Voltage (Vdc)	Output Current mA (max)
		No Load	Full Load		
982ZX2405S	9-36 (24)	30	2671	5	5000
982ZX2412S		30	2500	12	2000
982ZX2415S		30	2580	15	1650
982ZX2405D		30	2671	±5	±2500
982ZX2412D		30	2500	±12	±1000
982ZX2415D		30	2594	±15	±830
982ZX4805S	20-72 (48)	26	1302	5	5000
982ZX4812S		26	1543	12	2000
982ZX4815S		26	1524	15	1650
982ZX4805D		26	1563	±5	±2500
982ZX4812D		26	1543	±12	±1000
982ZX4815D		26	1524	±15	±830

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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982ZX SERIES TRIPLE OUTPUT SPECIFICATIONS

Model-Type	Input Voltage (Vdc)	Input Current mA (typ)		Output Voltage (Vdc)	Output Current mA (max)
		No Load	Full Load		
982ZX24T01	9-36 (24)	46	2520	+5	2500
				+12	500
				-12	500
982ZX24T02	9-36 (24)	46	2520	+5	2500
				+15	400
				-15	400
982ZX48T01	20-72 (48)	46	1543	+5	3000
				+12	625
				-12	625
982ZX48T02	20-72 (48)	46	1543	+5	3000
				+15	500
				-15	500

