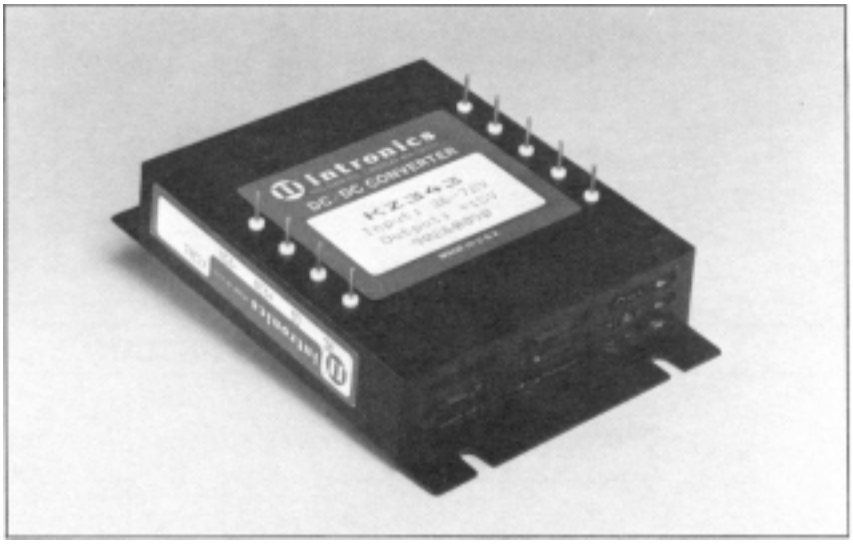
KZ 300 SERIES

40 WATT

DC-DC CONVERTERS

FEATURES

- **Current Mode Control**
- **200 KHz Switching Frequency**
- **Remote Control Shutoff**
- **Adjustable Output Voltage**
- **Low Voltage Shutdown**



APPLICATIONS

- **Telecommunications**
- **Instrumentation**
- **Computers**

Model	Input Range (VDC)	Output Voltage (DC)	Output Current (AMPS)
KZ331	20 - 60	5	8.0
KZ332	20 - 60	12	3.3
KZ333	20 - 60	15	2.7
KZ338	20 - 60	5, 12, 15	6/1/1*
KZ339	20 - 60	5, 15, 15	6/1/1*
KZ341	36 - 72	5	8.0
KZ342	36 - 72	12	3.3
KZ343	36 - 72	15	2.7
KZ348	36 - 72	5, 12, 15	6/1/1*
KZ349	36 - 72	5, 15, 15	6/1/1*

*Power Limited to 40 watts

Contact our sales application department with your custom designs and specifications.
At Intronics we are prepared to respond promptly to your needs.

GENERAL SPECIFICATIONS

Voltage Accuracy	±1% main, ±3% auxiliary
Voltage Adjustments	±5% (main)**
Ripple	<1%
Noise (<20 MHz)	<2%
Temperature Coefficient	.02%/°C
Transient Response	1mS 3% V excursion
Regulation Line/Load	±1% main ±5% auxiliary 20% to 100% load
Isolation (input to output)	500Vdc
Isolation (terminal to case)	500Vdc
Switching Frequency	200 KHz typical fixed
Efficiency	80% typical
Remote Control	5Vdc applied to pin 1 with respect to pin 4 will disable outputs

FAULT PROTECTION

Reverse Polarity Protection	Yes (external fuse required)
Over-voltage Main	Yes
Short Circuit	Indefinite, auto recovery

ENVIRONMENTAL

Operating Temperature	-25°C to 70°C (baseplate at 80°C)

Heat sinking may be required under certain circumstances.

Storage Temperature	-40°C to 105°C

Technical Highlights

- Extra Fault Protection for Maximum Reliability
- Advanced Thermal Management Techniques
- Short Circuit Protection
- External Case Grounding
- Six-Sided Shielding
- Low Ripple and Noise

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