

### FEATURES

- Current Mode Control
- 200 KHz Switching Frequency
- Remote Control Shutoff
- Adjustable Output Voltage
- Low Voltage Shutdown
- Over 100,000 Hour MTBF per Mil STD 217D at 50° + G.B. Environment

### APPLICATIONS

- Telecommunications
- Instrumentation
- Computers



Model	Input Range (VDC)	Output Voltage (DC)	Output Current (AMPS)	GENERAL SPECIFICATIONS	
KZ431	20 - 60	5	20.0	Voltage Accuracy	±1% main, ±3% auxiliary
KZ432	20 - 60	12	8.3	Voltage Adjustments	±5% (main only)
KZ433	20 - 60	15	6.7	Ripple	<1%
KZ434	20 - 60	24	4.1	Noise (<20 MHz)	<2%
KZ438	20 - 60	5, 12, 15	15/1/1*	Temperature Coefficient	.02%/°C
KZ339	20 - 60	5, 15, 15	15/1/1*	Transient Response	1ms 0.5% V excursion 60% load ±40%
KZ341	36 - 72	5	20.0	Regulation Line/Load	±1% main ±2% auxiliary 20% load to 100% load
KZ342	36 - 72	12	8.3	Isolation (input to output)	500Vdc
KZ343	36 - 72	15	6.7	Isolation (terminal to case)	500Vdc
KZ344	36 - 72	24	4.1	Switching Frequency	200 KHz typical fixed
KZ348	36 - 72	5, 12, 15	15/1/1*	Efficiency	80% typical
KZ349	36 - 72	5, 15, 15	15/1/1*	Remote Control	Active low to disable outputs Referenced to -Vin
				FAULT PROTECTION	
*Power Limited to 100 watts				Reverse Polarity Protection	Yes (external fuse required)
*All triple output units are available with optional 2 amp rating on CH 2, 3. To order higher current option add -1 suffix to model number i.e. KZ438-1.				Over-voltage Main	Yes
**All models are available with optional thermal protection. To order thermal option add suffix -04 to model number i.e. KZ438-04.				Short Circuit	Indefinite, auto recovery
All models are available with optional side mounting configuration. To order side mounting version add suffix -02 to model number i.e. KZ438-02.				Thermal Shutdown	Optional**
<p><b>Contact our sales application department with your custom designs and specifications.</b></p> <p><b>At Intronics we are prepared to respond promptly to your needs.</b></p>				ENVIRONMENTAL	
				Operating Temperature	-20°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
- Short Circuit Protection
- Six-Sided Shielding
- Advanced Thermal Management Techniques
- External Case Grounding
- Low Ripple and Noise