



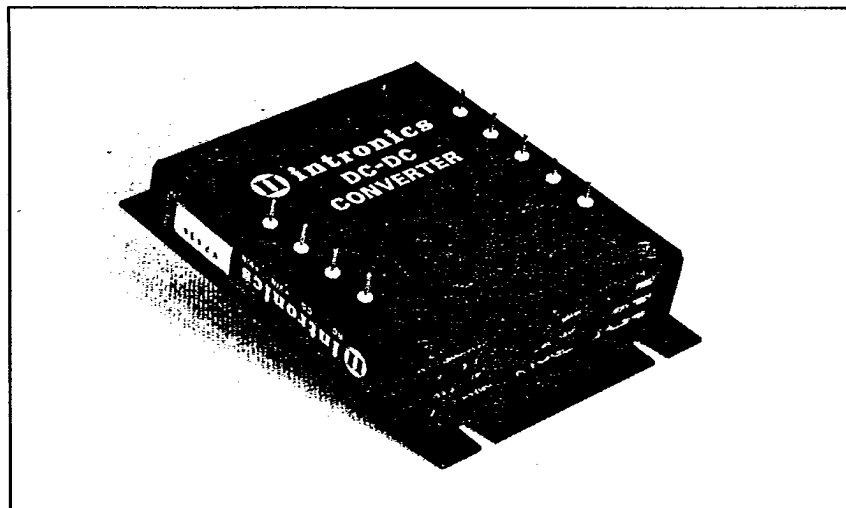
KZ 300 SERIES 40 WATT DC-DC CONVERTERS

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 Voltages (VDC)	Output Current (AMPS)
KZ331	20-60	5	8.0
KZ332	20-60	12	3.3
KZ333	20-60	15	2.7
KZ338	20-60	5,12,12	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	5,12,12	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	60% Load ± 40%
	± 1% Main, ± 5% Auxiliary
	20% Load 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)
Overvoltage Main Output	Yes
Short Circuit	Indefinite, Auto Recovery

ENVIRONMENTAL

Operating Temperature	-20°C to 70°C, (Baseplate at 80°C) Heat sinking may be required for certain circumstances. Consult factory for specific model number.
Storage Temperature	-40°C to 105°C

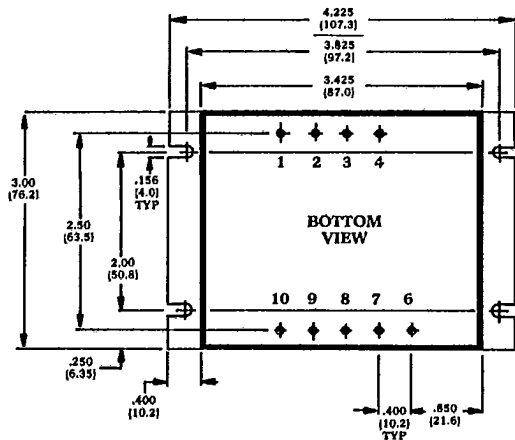
**Auxiliary outputs will be affected

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

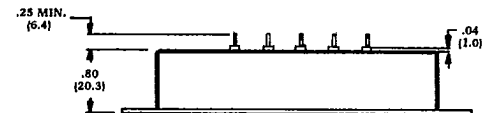
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MECHANICAL OUTLINES AND CONNECTIONS



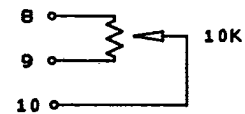
KZ 300 SERIES

CONNECTOR	PIN
control	1
case	2
+ Vin	3
- Vin	4
N P	5
- V aux	6
+ V aux	7
RTN	8
+ V main	9
TRIM	10



NOTES:
 1. DIMENSIONS IN INCH (MM)
 2. PIN TYPE: HALF-HARD BRASS, ELECTRO-TIN PLATED
 DIAMETER: .04 (1.02)

OUTPUT ADJUSTMENT



PERFORMANCE CURVES

