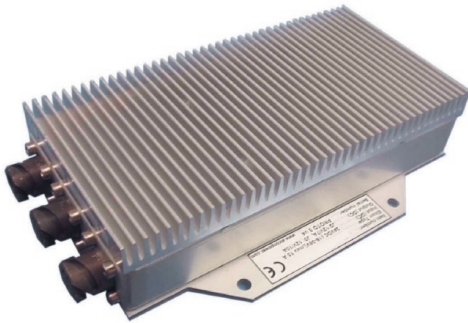


DC200MIL Series DC/DC Voltage Converter



Benefits

- Ultra-Quiet
- Power sensitive electronics without interference
- Rugged & Reliable
- Ensure years of safe and trouble free operation

Applications

- Military Applications
- Marine / Automotive / RV
- Railway / Transportation
- Mining
- Oil Rigs
- Electric Utilities and Substations
- Telecom Power Plants
- Manufacturing Locations
- Steel Mills
- Industrial Controls
- OEM Applications

DC/DC Converters

DC200MIL (isolated) Military Standard

Description

The DC200MIL series dual output, converter provides a maximum of 200W.

This high-density unit is designed to meet MIL-STD-461E.

The converter is conduction cooled via a base plate and designed for operation within a wide temperature range.

The use of components with many years of established reliability and generous headroom contribute to a high MTBF.

The unit is intended for military, transportation, mining, oil rigs and other harsh environments.

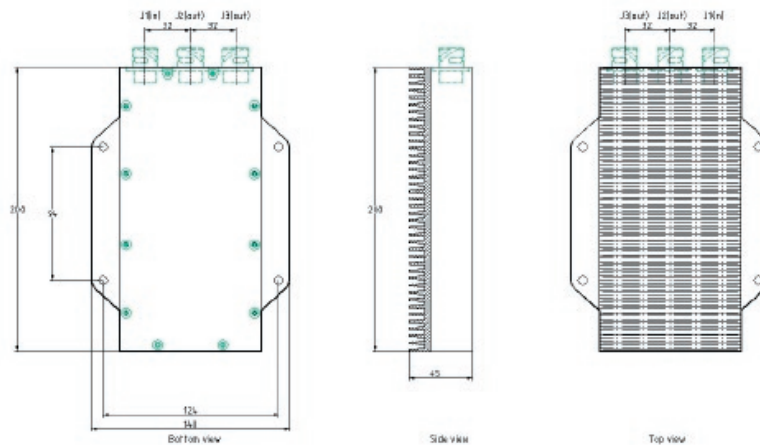
Features

- Compact case
- Rugged construction
- High power density
- Wide input range 18-36VDC
- Conduction cooling
- Dual output
- 200W output power
- Refer to MIL-Standard
- Competitive price
- Full electronic protection
- Field-proven design

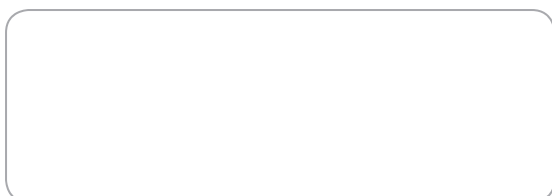
Specifications (Specifications Subject to Change Without Notice)

Specifications

Input Voltage range	24VDC (18 – 36V)	
Input Current	11 ADC (7-14A)	
Input Protection	Protection diode External fuse required	
Output Voltages	J2: 12VDC	J3: 12VDC
Output Current	J2: 7ADC	J3: 10ADC
Output Power max.	J2: 84W	J3: 120W
Output Voltages accuracy	1%	
Ripple/Noise	< 300mV	
Efficiency	85 %	
Output over current limits	J2:7A, J3:10A output shutdown, autoreset	
Output over voltage	115-135%, manual reset	
Isolation	Input to base-plate	1500VDC 1min
	Output to base-plate	500VDC 1min
	Input to output	1500VDC 1min
Over temperature protection	shutdown, autoreset	
Operating Ambient Temperature	-25° to +40°C	
Max. Base-plate temperature	100°C (Shutdown limit)	
Cooling	Convection cooling	
Humidity	5 - 95% non-condensing	
Safety	EN60950	
Emission	design refer to MIL-STD-461E	
Immunity	design refer to MIL-STD-461E, EN61000-4-5 (4kV surge pulse test)	
Dimensions	220x140x45mm	
Weight	1.3kg	
Connections	Input J1:	VG95234B1-10SL-4SN A=+, B=-, C=NC
	Output J2, J3:	VG95234B1-10SL-3P1 A=+, B=-
Warranty	2 Years	



Available from:



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The power conversion company

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