

# BAP236 200W SINGLE OUTPUT DC/DC CONVERTER

- Compact size - 10.0" x 4.425" x 2.25"
- 200W output with conduction cooling
- Full electronic protection
- Telecom quality
- Field-proven design topology
- Also available as plug-in module
- N+1 redundancy available



The BAP236 Series of DC/DC converters uses high frequency push-pull forward topology to generate 200W output power. Virtually any DC output is possible with short delivery times. This low profile design features low component count and high efficiency. The use of high quality components and rigorous quality control results in an MTBF exceeding 100,000 hours at 45°C.

## SPECIFICATIONS

### Input Voltage

Any DC input from 24V to 125VDC  
24V and 48VDC are standard

### Input Protection

Thermal Fuse  
Inrush current limiting

### Input Isolation

500VDC input to chassis,  
input to output,  
output to chassis  
  
Compliance to IEC950, CSA  
C22.2 No.950 and UL 1950  
Please contact factory for approval  
status for the requested  
input/output configuration

### Output Voltages/Currents

Virtually any DC output from 12V  
to 125VDC  
24V/8.3A and 48V/4A standard  
Consult factory for other voltages

### Line/Load Regulation

+/-1% combined

### Output Overvoltage Protection

Double regulator loop

### Overload Protection

Current limiting with short circuit  
protection  
Self-resetting thermostat for  
thermal protection

### Efficiency

Min 80% at full load

### EMI

Meets EN 55022 Class A

### Output Ripple/Noise

Better than 1% of output voltage  
peak to peak or 0.2% RMS of the  
output voltage (20HZ BW)

### Operating Temperature

0 to +50°C , unit must be mounted  
on a heat sinking surface  
Extended temperature range  
available

### Temperature Drift

0.03% per °C over operating  
temperature range

### Dimensions

'F2' Package:10" x 4.425" x 2.25"

### Connections:

Screw type terminal block  
For other connectors please consult  
factory

### Warranty

Twelve months subject to  
application within good  
engineering practice

Enhancements to these general specifications can be accommodated upon request  
Designed to meet common approval requirements. Specifications subject to change.

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**Designer and manufacturer of quality converters, inverters, UPS systems, complete rack mount systems  
and DC-input fluorescent lamp inverters since 1982. Custom or standard.**

**Absopulse is a BAPT-approved Facility**

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