

BAP265 300W 2-OUTPUT DC/DC CONVERTER

- Compact size -11.40" x 5.20" x 2.525"
- Two regulated and adjustable outputs
- 300W/400W of output power
- Full electronic protection
- Telecom quality
- Field-proven design
- Also available as plug-in module
- N+1 redundancy available



The BAP265 Series of DC/DC converters uses a field proven high frequency Push-Pull topology to generate 300W of output power with convection cooling and 400W if forced air is available. Virtually any DC input/output combination is possible with short delivery times. The chassis-mount design features low component count and high efficiency. The use of high quality components and rigorous quality control results in an MTBF exceeding 200,000 hours at 45°C.

SPECIFICATIONS

Input Voltage

Any DC input from 24V to 125VDC
24V and 48VDC are standard
Consult factory for other inputs

Input Protection

Thermal Fuse
Inrush current limiting

Input Isolation

500VDC input to chassis,
input to output,
output to chassis
Higher isolation available

Full compliance to IEC950, CSA
22-2-950 and UL 1950 Please
contact factory for approval status
for the requested input/output
configuration

Output Voltages

Virtually any DC output from 12V
to 125VDC
dual 24V/12.5A total & dual
48V/6.2A total standard
Consult factory for other voltages

Line/Load Regulation

\pm 1% combined for the main
output, second output tracking

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

RFI Suppression

Meets FCC 20780 Class A
and EN 55022 Class A
conducted emissions

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 with convection.
Extended temperature range
available

Temperature Drift

0.03% per °C over operating
temperature range

Dimensions

'F3' Package:
11.4" x 5.2" x 2.525"

Weight

5 pounds

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

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