

## 150W, 5 OUTPUT DC/DC CONVERTER BAF84 SERIES - ENCLOSED CASE



- Five fully regulated and adjustable outputs
- Compact size -11.40" x 5.20" x 2.525"
- 150W of output power
- Full electronic protection
- Telecom quality
- Field-proven design

The BAF84 Series of DC/DC converters uses a field proven high frequency half-bridge technology to generate 150W of output power with convection cooling. All five outputs are highly regulated and individually current limited. Virtually any combination of DC input and up to 5 DC outputs 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 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  
Reverse polarity

#### Input Isolation

500VDC input to chassis,  
input to output and output to  
chassis

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

Up to 24VDC for all 5 outputs and  
up to 15A on the main output, up  
to 3A for the second, third and  
fourth outputs, up to 1A for the  
fifth output  
Consult factory for specific  
voltages and currents

#### Line/Load & Cross Regulation

\*/-1% combined

#### Output Overvoltage Protection

Double regulator loop - main  
transorb on other outputs

#### Overload Protection

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

#### Efficiency

Typical 78% at full load

#### RFI Suppression

Meets FCC 20780 Class A  
and EN55022 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)

#### Hold Up Time

Minimum 10ms at full load for 5%  
drop of output voltage

#### 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"

#### 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

**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 BABT-approved Facility**

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