

BAF84 150W - 5 OUTPUT DC/DC CONVERTER

- 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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