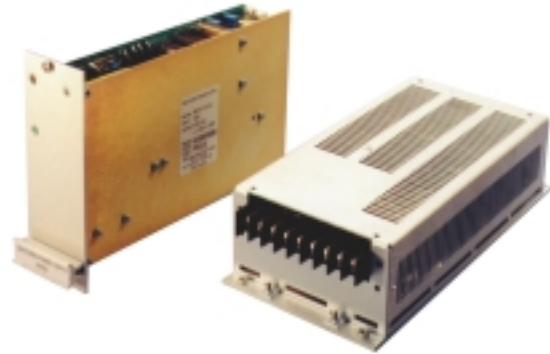


BAF209/210 SERIES 150W DC/DC CONVERTER

12-130VDC IN ANY DC VOLTAGE OUT EUROCARD OR ENCLOSED

- Single double or triple output
- 60W (BAF 09/10); 100W (BAF 109/110); 100-150W (BAF 209/210)
- Optional front-panel adjustment & LED status
- Designed to meet safety and EMI standards
- Conduction/convection cooled - no fan
- High efficiency
- Fully protected
- High MTBF



The BAF Series is an advanced design using forward topology with 130kHz switching frequency. The BAF series is a field-proven design using high quality components and consequently has an MTBF rating exceeding 100,000 hours (@Ta=45°C). The BAF 09, 10, 109 & 110 Series provides, depending on input/output configuration, 60-100W output power with one, two or three fully regulated outputs while the BAF 209 & 210 Series supplies 100 - 150W of output power. The units are fully input/output protected and the standard models meet EN 55022 Class B and FCC Class B EMI suppression requirements.

SPECIFICATIONS

<p>Input Voltage Any DC voltage from 12V to 130VDC; 24 & 48V are standard. Voltage tolerance: ± 20%</p>	<p>Output ripple noise Better than 1% of output voltage peak to peak or 0.2% RMS of the output voltage (20MHz BW)</p>	<p>Output over-voltage Protection Double regulator loop, completely stable and independent of main regulator loop</p>	<p>Dimensions <u>Eurocard (plug-in module):</u> BAF09/10: 3Ux160mmx8HP BAF109/110:3Ux220mmx8HP BAF209/210:3Ux220mmx10HP</p>
<p>Input Protection Thermal Fuse Inrush current limiting Reverse polarity protection Low input voltage shutdown</p>	<p>Efficiency Min 80% at full load</p>	<p>Hold Up Time Minimum 10ms at full load for 5% drop of output voltage at 120V and higher input</p>	<p><u>Enclosed case (F-package)</u> BAF09/10: 7.8"x4.4"x2.0" BAF109/110: 10"x4.4"x2.25" BAF209/210: 10" x4.4"x2.25"</p>
<p>Input Isolation/Safety 500VDC input to output input to chassis and output to chassis</p> <p>Higher isolation levels available Compliance to CSA22.2-950 and UL1950 safety requirements</p>	<p>Line/Load Regulation 1% combined for all outputs</p>	<p>Operating Temperature 0 to +50°C for full specifications. Wider temperature range available</p>	<p>Connectors: H11 or H15 DIN, faston or terminal block connector on module</p>
<p>Output Voltages Any DC voltage</p>	<p>Output Protection Current limiting with hiccup mode Short circuit protection Some models available with constant current output</p>	<p>Temperature Drift 0.03% per °C over operating temperature range</p>	<p>Warranty Twelve months subject to application within good engineering practice</p>
<p>Transient Response Max 5% overshoot also for extreme load steps</p>	<p>MTBF 100,000 at 45°C</p>	<p>RFI Suppression Meets requirements for EN 55022 Class B and FCC 20780 Class B</p>	

Options such as alarms, remote control or special output voltages are available.
Enhancements to these general specifications and customizing can be accommodated upon request.
Absopulse is a BABT approved manufacturer.

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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