

150W, SINGLE OUTPUT DC/DC CONVERTER

FOW236 SERIES



- Compact size - 10.0" x 4.425" x 2.25"
- 150W output with conduction cooling
- Full electronic protection
- Telecom. quality
- Field-proven design topology
- Also available as plug-in module
- N+1 redundancy available

The FOW236 Series of DC/DC converters uses high frequency push-pull forward topology to generate 150W of 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

Full 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/6A and 48V/3A 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

RFI Suppression

Meets requirements of EN 55022: 1987 Class B and FCC Class A conducted emissions as minimum

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

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

ABSOPULSE
ELECTRONICS LTD.

ABSOPULSE ELECTRONICS LTD
110 Walgreen Road
Carp, Ontario K0A 1L0 CANADA

Tel: (613) 836-3511 Fax: (613) 836-7488 E-mail: absopulse@absopulse.com
Visit us at www.absopulse.com