

PRV-0617

Datasheet

75 Watt DC/DC, Vin= 9-60Vdc, Vout= ±5, ±12Vdc

FEATURES

Power Output:

Up to 75 Watts (+5 VDC @ 15 Amp, +12 VDC @ 2.5 Amp, -5 and -12 VDC @ 500 mAmp)

Power Input:

+9 to +60 VDC input

Output Protection:

+5V is protected against over-voltage and over-current

Input Protection:

Against polarity reversal, over-current, and transients (through screw clamp connector)

Other Features:

Output voltage status LED Indicators, low-profile aluminum heatsink, high-altitude capacitors



DESCRIPTION

The PRV-0617 is a 75 Watt DC to DC conversion board with a wide input voltage range of 9-60 volts. Bringing all voltages to the PC/104 bus for use (+5V @ 15A, +12V @ 2.5A, -5V @ 500mA, and -12V @ 500mA), the module serves as a high current capacity (5VDC @ 15 amp continuous) power supply. Four LEDs on the board indicate the output status of all four voltages.

Input voltage is supplied to the board through a removable screw clamp connector and is protected against polarity reversal, over-current, and transients. Moreover, the +5v output is protected against over-voltage and over-current. The board is built with high-altitude capacitors and is fully compliant with PC/104 form factor requirements.

The PRV-0617 features a low-profile aluminum heatsink. Additionally, PC/104 Fan Cards can alternatively be used in concert with the board to circulate air within a PC/104 enclosure. This module is extended temperature rated (-40°C and +85°C). Depending on circulated air configurations, it can deliver 75 watts (5VDC@15A) of power between -40°C and +60/65°C before any derating occurs. Formerly known as OnPower 75.



Parvus Corporation
3222 S Washington Street
Salt Lake City, UT 84115

Web: www.parvus.com
Email: sales@parvus.com
Phone: 1.801.483.1533
Fax: 1.801.483.1523

SPECIFICATIONS

Operating Temperature:

-40°C To +85°C (derated)

Efficiency:

75% - 85%, typical

Storage Temperature:

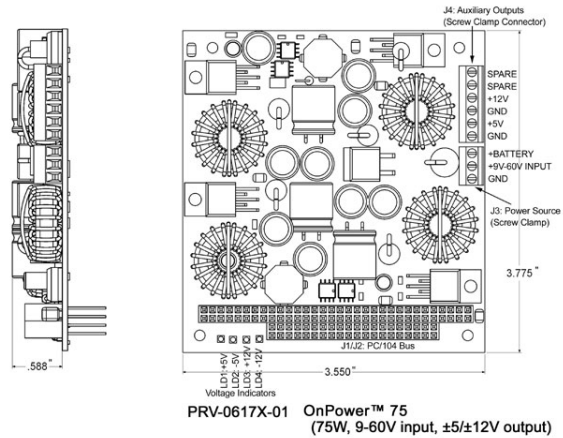
-55°C to +120°C

Humidity:

Up to 90%, Non-Condensing

Dimensions:

3.550" x 3.775" (PC/104)



ORDERING INFORMATION

PART NUMBER

PRV-0617-01

DESCRIPTION

PRV-0617, PC/104 75 Watt DC/DC, Vin= 9-60Vdc, Vout= ±5, ±12Vdc



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