

APC-B021 Series DC-DC CONVERTER

15W Single Output , Encapsulated



Outline Product Specification

The APC-B021 series power modules are low-profile, cost effective board mountable DC/DC converters, which operate over an input voltage range of 36Vdc to 75Vdc and provide precisely regulated single DC output.

The output is fully isolated from the input, allowing versatile polarity configurations and grounding connections. The converters have a maximum power rating of 15watts at a typical full-load efficiency of 85%.

The power modules are suited for board level applications in a distributed power architecture requiring isolated

Options

- Synchronization (cannot be ordered on units with remote on/off)
- Remote on/off
- Choice of remote on/off logic configuration
- Short pin: 2.79mm \pm 0.25mm (0.11 in \pm 0.01 in)

FEATURES

- ❑ Low profile: 50.8 mm x 25.4 mm x 10.6mm (2in. X 1in. X 0.42in.) with standoffs, (10mm (0.4in.) with standoffs recessed)
- ❑ Efficiency: 85% typical
- ❑ Fixed frequency
- ❑ Wide input voltage range: 36Vdc to 75Vdc
- ❑ Adjustable output voltage: 90% to 110% of V_o , nom
- ❑ Metal case
- ❑ Case ground pin
- ❑ Operating case temperature range: -40°C to 110°C
- ❑ Remote on/off
- ❑ Output overvoltage clamp
- ❑ Overcurrent protection
- ❑ Input undervoltage lockout
- ❑ Designed to meet UL60950, EN60950 and CE mark requirement

2 Year Warranty



APC-B021 Series Single Output DC-DC Converter 48V(36V to 75V) Input, 3.3V & 5V Output, 15W max.

Range Guide

Model Number	Input Voltage (V)	Output Voltage (V)	Output Current (A)	Efficiency (%)
APC-B021-048-033	48	3.3	4	80
APC-B011-048-050-F	48	5.0	3	85
APC-B011-048-033-F	48	3.3	3	82
APC-B011-048-050	48	5.0	2	83
APC-B011-048-033	48	3.3	2.42	82

Mechanical Outline

