

Product Specification

FEATURES

- ❑ High efficiency: 87% typical
- ❑ Small size and low profile
- ❑ Dimensions: 50.8mm × 40.64mm × 10.5mm (2in × 1.6 in × 0.413 in)
- ❑ Wide input voltage ranges: 18Vdc to 75Vdc
- ❑ Adjustable output voltage: 90% to 110% of V_o , nom
- ❑ 1500 Vdc isolation
- ❑ Fixed Frequency
- ❑ Operating module temperature range: -40°C to 105°C
- ❑ Over Current Protection
- ❑ Output overvoltage clamp
- ❑ Input undervoltage lockout
- ❑ Designed to meet UL60950, EN60950 and CE mark requirement

The APC-X021 (XA) power modules is a low-profile, cost effective board mountable DC-DC converter, which operates over an input voltage range of 18Vdc to 75Vdc, providing precisely regulated single DC output.

The output is fully isolated from the input, allowing versatile polarity configurations and grounding connections

The converter has a maximum power rating of 20 Watts at a typical full-load efficiency of up to 87%.

The power module is suited for board level applications in a distributed power architecture requiring isolated power.

Applications

- *Distributed Power Architectures*
- *Telecom / Datacom equipment*
- *Network Applications*
- *Computer Equipment*



APC-X021-XA series 20W DC-DC Converter 18-75V Input, 5V & 3.3Vdc Output

Range Guide

Model Number	Input Voltage (V)	Output Voltage (V)	Output Current (A)	Efficiency (%)
APC-X021-048-050-XA	18 - 75V	5.0	4	87
APC-X021-048-033-XA	18 - 75V	3.3	6	83

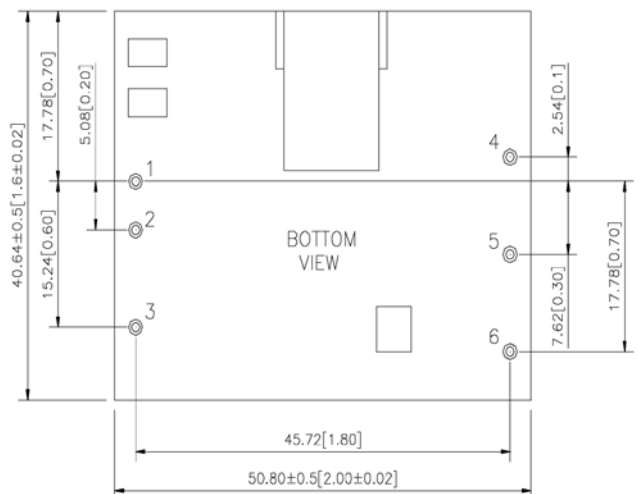
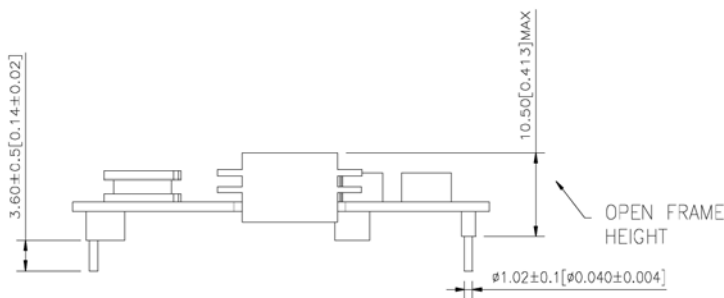
General Specifications

Characteristics	Conditions	Min	Typ	Max	Unit
Switching frequency		-	150	-	kHz
Isolation resistance input to output pins	Measurew with 500Vdc	10	-	-	MOhms
Calculated MTBF	80% of full load, TC=40DegC	-	3.5	-	Mhr.
Weight		-	24	-	g

Mechanical Outline

Note: Measurement is in mm [inches].
 Tolerances: x.x mm ± 0.5 mm [x.xx in ± 0.02 in]
 x.xxmm ± 0.25 mm [x.xxxin ± 0.010 in]

Side View



Exceeding absolute maximum ratings may cause permanent damage and may reduce reliability. Information and specifications contained in this data sheet are believed to be correct at the time of publication. However, APC accept no responsibility for consequences arising from printing errors or inaccuracies. Specifications are subject to change without notice