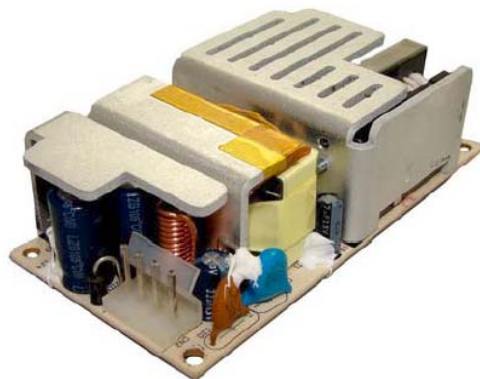




65 Watt* Open-Frame Power Supply PSA065 Single Output 2" x 4" Series (for ITE)



*45W Convection, 65W 20CFM Airflow cooling

Features

- 2 x 4 Footprint
- Low-Cost
- Low Profile Design Fits 1U Applications

Applications

- Telecom/Datacom
- Peripherals
- Industrial

Safety Approvals

- cUL/UL 60601-1
- CE (Low Voltage Directive)
- IEC 60601-1

Mechanical Characteristics

- Length: 101.6mm (4.0in)
- Width: 50.8mm (2.0in)
- Height: 30.6mm (1.2in)
- Weight: 160g (5.64oz)

Output Specifications

Model	DC Output Voltage	Line			Ripple (1) P-P (max)	Regulation	
		Min.	Convection	20cfm		Line	Load
PSA065-120	+12V	0A	3.75	5.42A	120mV	±2%	±2%
PSA065-240	+24V	0A	1.88	2.71A	240mV	±2%	±2%
PSA065-480	+48V	0A	0.94	1.36A	480mV	±2%	±2%

(1) Measured by using a 12 inch twisted pair terminated with a 10uF capacitor and a 0.1uF ceramic in parallel, measured at maximum load after a 20 minute warm up and bandwidth set to 20MHz.

PSA065 Characteristics

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Input:

AC Input Voltage Rating
100 to 240V AC

AC Input Voltage Range
90 to 264V AC

AC Input Frequency
47 to 63Hz

Input Current
1.5A at maximum load and 115V AC
0.75A at maximum load and 230V AC

Leakage Current
100uA maximum at 264V AC

Inrush Current
30A for 1150V AC at maximum load
60A for 230V AC at maximum load
(Cold start at ambient 25°C)

Hold-up Time
10mS typical at maximum load and 115V AC

Output:
Efficiency
80% minimum at maximum load and 115V AC

Over-Voltage Protection
+48V DC at +72V DC maximum

Over-Current Protection
Auto-restart

Input Protection
Fuse in line and neutral

Environmental:
Temperature
Operation 0 to 50°C
Non-operation -25 to +85°C

Humidity

Operation 5 to 95% non-condensing

Emissions

FCC Class B
EN55022 Class B

Immunity

EN55024	1998
EN61000-4-2	Level 3
EN61000-4-3	Level 2
EN61000-4-4	Level 3
EN61000-4-5	Level 3
EN61000-4-6	Level 2
EN61000-4-11	
EN61000-3-2	Harmonic Class A
EN61000-3-3	Flicker

General:

Insulation Resistance
10M Ohm minimum, 500V DC

Dielectric Withstand (Hi-pot) Test
Input to Ground: 1600V AC for 3 seconds, 10mA
Input to Output: 4200V AC for 3 seconds, 10mA

Switching Frequency
50K Hz typical

MTBF (Full load and 110V AC, 25°C)
>100K Hrs

Input Connector

Molex 09-51-4034 housing with Molex 08-50-0106 pins

DC Output Connector

Molex 26-03-4041 housing with Molex 08-50-0189 pins.

PSA065M Dimension Diagram: Unit mm

