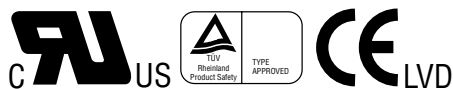


150W Power Factor Corrected Switchers

PSF-151 Low Profile Single and Dual Outputs



Features

- 2nd Generation Design
- 3.3/5 Volts Available
- Dedicated Fan Output
- Through Channel Air Flow

Applications

- Networking
- Compact Equipment
- Process Control
- Industrial Microcomputers

Safety Approvals Pending

- UL 1950, 3rd Edition
- CSA 22.2 950-M95
- TUV EN60950

Mechanical Characteristics

- Dimensions:
- Length: 203mm (8in)
 - Width: 106.7mm (4.2in)
 - Height: 38mm (1.5in)
 - Weight: 0.88Kg (2lb)

Output Specifications

Model Numbers	Voltage	DC Outputs			Ripple ⁽¹⁾	Regulation		Max Power	
PFC Version		Min.	Conv.	30CFM	P-P	Line	Load	Conv.	30CFM
PSF-151-033	3.3V	0A	20A	30A	50mV	±0.5%	±3%	66W	99W
PSF-151-050	5V	0A	20A	30A	50mV	±0.5%	±3%	100W	150W
PSF-151-120	12V	0A	8.2A	12.5A	120mV	±0.5%	±3%	100W	150W
PSF-151-150	15V	0A	6.6A	10A	150mV	±0.5%	±3%	100W	150W
PSF-151-240	24V	0A	4A	6A	240mV	±0.5%	±3%	100W	150W
PSF-151-480	48V	0A	2A	3.1A	480mV	±0.5%	±3%	100W	150W
PSF-151-201	5V	2A	20A	30A	50mV	±0.5%	±3%	100W ⁽²⁾	150W ⁽²⁾
	12V	0A	4.6A	7A	120mV	±0.5%	±3%		
PSF-151-203	5V	2A	20A	30A	50mV	±0.5%	±3%	100W ⁽²⁾	150W ⁽²⁾
	3.3V	0A	6.6A	10A	50mV	±0.5%	±3%		
PSF-151-211	3.3V	2A	20A	30A	50mV	±0.5%	±3%	100W ⁽²⁾	150W ⁽²⁾
	12V	0A	4.6A	7A	120mV	±0.5%	±3%		
PSF-151-213	3.3V	2A	20A	30A	50mV	±0.5%	±3%	100W ⁽²⁾	150W ⁽²⁾
	5V	0A	6.6A	10A	50mV	±0.5%	±3%		
Fan(All Models)	12V	0A	0.5A	1A	120mV	±1%	±3%	6W	12W

(1) Measured at full load by using a 12in. twisted pair terminated with a 10mfd capacitor and a 0.1mfd ceramic in parallel.

(2) Combined power of both outputs must not exceed maximum rating.

POWER

ISO 9001 • BABT • MITI
Facility Approvals



ENTERPRISE CO., LTD.

16, Lane 530, Chung Cheng N. Rd.
Sanchung City, Taipei
Taiwan 24103, R.O.C.
Phone: 886-2-2988-2126
886-2-2980-5255
Fax: 886-2-2981-7086
886-2-2983-3222

PHIHONG USA CORPORATION

U.S. Headquarters:
48607 Warm Springs Blvd.
Fremont, CA 94539
Phone: 510-445-0100
Fax: 510-445-1678
Email: usasales@phihongusa.com
Internet: <http://www.phihongusa.com>

Phihong East:
3312 7th Street, Suite 101
Whitehall, PA 18052
Phone: (610) 434-4856
Fax: (610) 434-4857

Phihong Southwest:
3325 Cochran St., Suite 200
Simi Valley, CA 93063
Phone: (805) 520-8177
Fax: (805) 520-3907

150W Power Factor Corrected Switchers PSF-151 Low Profile Single and Dual Outputs

Characteristics

INPUT:

AC Input Voltage

90-264VAC

AC Input Frequency

47 to 63Hz

AC Input Current

4Arms (120VAC)

2Arms (230VAC)

AC Inrush Current (Cold Start)

35A max., at 120VAC

70A max., at 240VAC

AC Power Factor

EN 61000-3-2

AC Surge Immunity:

IEC 61000-4-5, Level 3

Efficiency

75% Typical

OUTPUT:

Hold-up Time

16msec. typical, 120VAC

Overshoot on Turn-On

<5%

Overvoltage Protection

120% of Normal

on Main Output

Overcurrent Protection

Auto restart

All outputs protected

ENVIRONMENTAL:

Operation Temperature

0-50°C Derated to 70°C

Storage Temperature

-20°C to +85°C

Humidity

20 to 90% RH (Non-condensing)

Emissions

FCC Class B

EN 55022B

Immunity

EN 50082-1:61000-4-2, Level 3

61000-4-3, Level 2

61000-4-4, Level 2

GENERAL:

Leakage Current

Less than 2mA (240VAC)

Dielectric Withstand

Input to Output

1500VAC, 1 min., 10mA

Switching Frequency

70KHz (typical)

MTBF (Full load, 25°C)

MIL-HDBK: 100K hrs.

AC Input Mating Connector

Molex 09-50-3051

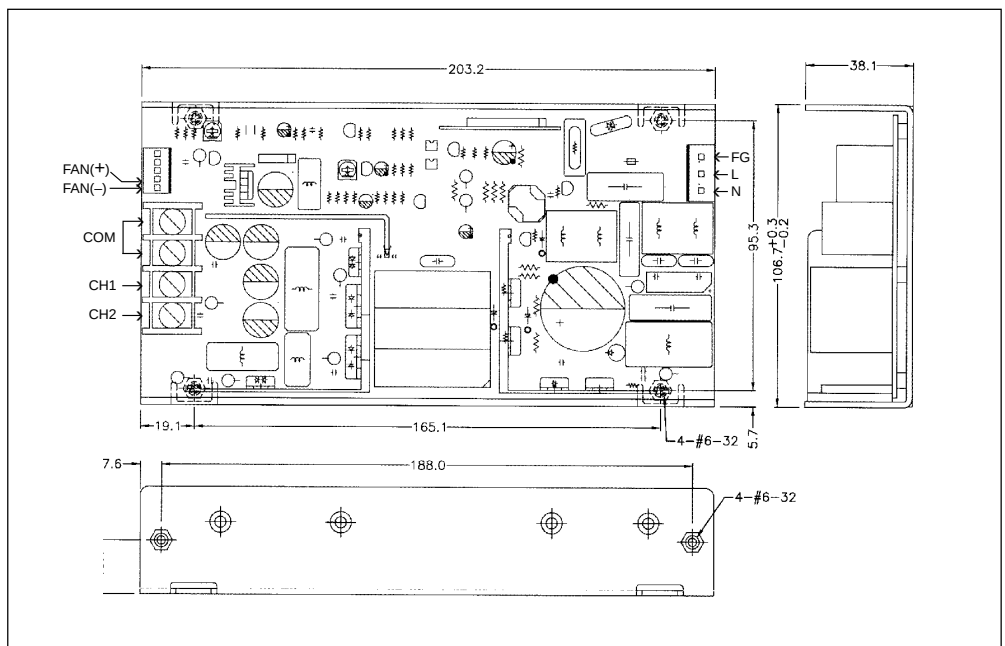
DC Output Mating Connector

Terminal Strip, M4 Screw

Fan Mating Connector

Molex 09-50-3041

Dimension Diagram Unit: mm (inch)



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