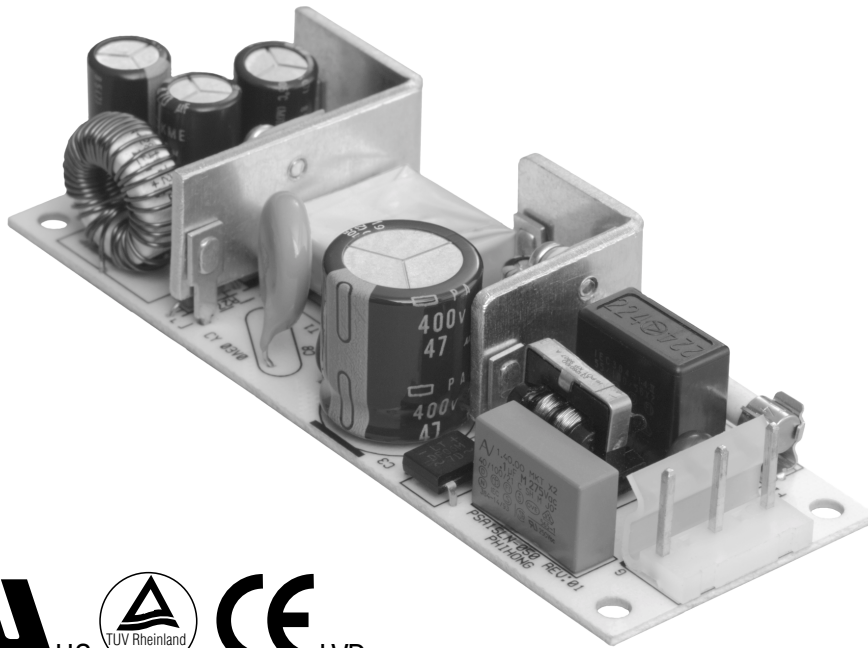


# 15 W Universal Input, Compact PCB, 3.3 to 24VDC

## PSA-15LN Single Output OEM Open Frame



### Features

- Compact 1.57 x 4.33" PCB
- CISPR 22B; FCC B EMI
- Low 1 Inch Profile
- Optional 2 Wire AC Version

### Applications

- Networking
- Compact Equipment
- Peripherals and Terminals
- Microcomputers

### Safety Approvals

- UL 1950
- CSA 22.2 950-M95
- TUV EN60950

### Mechanical Characteristics

- Dimensions:
- Length: 110mm (4.33in)
  - Width: 40mm (1.57in)
  - Height: 25.4mm (1.00in)
  - Weight: 100gm (3.5oz)

### Output Specifications

Model (3 Wire Version) <sup>(2)</sup>	DC Output Voltage	Load		Ripple <sup>(1)</sup> P-P	Regulation		Max Power
		Min.	Max.		Line	Load	
PSA-15LN3-033	3.3V	0A	3.0A	50mV	±1%	±3%	10W
PSA-15LN3-050	5.0V	0A	3.0A	50mV	±1%	±2%	15W
PSA-15LN3-090	9.0V	0A	1.67A	90mV	±1%	±2%	15W
PSA-15LN3-120	12V	0A	1.25A	120mV	±1%	±2%	15W
PSA-15LN3-150	15V	0A	1.00A	150mV	±1%	±2%	15W
PSA-15LN3-180	18V	0A	0.83A	180mV	±1%	±2%	15W
PSA-15LN3-240	24V	0A	0.63A	240mV	±1%	±2%	15W

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

(2) For two wire input (safety Class 2), substitute "2" in the model number, e.g. PSA-15LN2-050

# OPEN FRAME

ISO 9001 • BAPT • MITI  
Facility Approvals

# 15 W Universal Input, Compact PCB, 3.3 to 24VDC

## PSA-15LN Single Output OEM Open Frame

### Characteristics

#### INPUT:

##### AC Input Voltage (Operating)

90 to 264 VAC

##### AC Input Frequency

47 to 63Hz

##### AC Input Current

0.5Arms (120VAC)

0.25Arms (240VAC)

##### AC Inrush Current (Cold)

30A max. (120VAC)

60A max. (240VAC)

##### AC Surge Immunity:

IEC 61000-4-5, Level 3

##### Efficiency

65% minimum

Full Load, 115VAC

#### OUTPUT:

##### Hold-up Time

16ms, Full load, 115VAC

##### Overvoltage Protection

120% Nominal

##### Over Current Protection

Auto Restart

#### ENVIRONMENTAL:

##### Operation Temperature (Convection)

0 to 50°C

#### Storage Temperature

-25 to +85°C

#### Humidity

10 to 90% RH (Non-condensing)

#### Emissions

FCC Class B

EN 55022 B

#### GENERAL:

##### Leakage Current (254VAC)

LN2: Less than 0.25mA

LN3: Less than 0.75mA

##### Dielectric Withstand (Hipot)

Input to Output

3000VAC, 1 min., 10mA

##### Switching Frequency

100KHz (nominal)

##### MTBF (Full Load, 25°C)

150K Hrs.

MIL-HDBK-217F

##### AC Input Connector (Molex or Equiv.)

LN2: 09-65-2038 (Pin 2 omitted)

Mates with: 09-50-7031

LN3: 09-65-2058 (Pins 2,4 omitted)

Mates with: 09-50-7051

Crimp Pin: 08-52-0072

##### DC Output Connector

Molex 09-65-2028

Mates with: 09-50-7021

Crimp Pin: 08-52-0072



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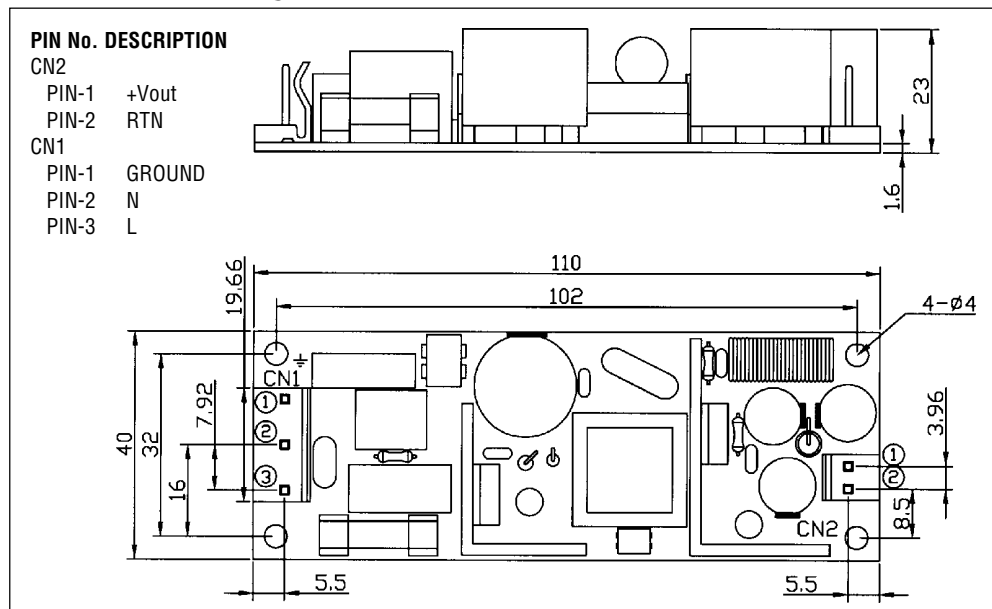
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### Dimension Diagram Unit: mm (inch)



PSA15LN/0009