

15.4W Single Port Power-over-Ethernet IEEE802.3af Compliant Power Injector





Features

- Compliant with IEEE802.3af Standard
- Non-Vented Case
- Small case size
- 1 Year Warranty

- Gigabit data rates
- Full Protection OCP, OVP
- Low Cost

Applications

- IP Telephones
- Wireless Network Access Points
- Security Cameras

Safety Approvals

- cUL/UL 60950-1
- IEC/EN 60950-1

- CE
- LPS

Mechanical Characteristics

- Length: 106mm (4.17in)
- Width: 40mm (1.57in)

• Height: 27mm (1.1in)

• Weight: 100g (3.5oz.)

Output Specifications

Model	Data Speed	DC Output Voltage	Load		Regulation		Ripple & Noise ¹
			Min	Max	Line	Load	p-p(max)
POE15M-1AF	1G	56V	10mA	0.275A	54-57V		200mV
POE15M-1AFE ²	1G	56V	10mA	0.275A	54-57V		200mV
POE15M-1AFE-2	2.5G	56V	10mA	0.275A	54-57V		200mV

Notes:

- 1. Measured with by-pass capacitors 0.1uf/10uf at output connector terminal and oscilloscope set at 20Mhz(tested by oscilloscope).
- 2. Shielded RJ45

WWW.PHIHONG.COM

POE15M-1AF Characteristics

INPUT:

AC Input Voltage Range

90 to 264VAC

AC Input Voltage Rating

100 to 240VAC

AC Input Current

0.55A (RMS) max for 90VAC 0.35A (RMS) max for 240VAC

Leakage Current

0.5mA max @ 254VAC/50Hz

AC Input Frequency

47-63Hz

AC Inrush Current

30A (RMS) max for 115VAC 60A (RMS) max for 230VAC

Hold-up time:

16mS min at max load and 120VAC, 60Hz

ENVIRONMENTAL:

Temperature

Operation -20°C to $+50^{\circ}\text{C}$ Non-operation -25°C to $+70^{\circ}\text{C}$

Humidity 5 to 90%

EMC

Complies with FCC Part 15 Class B Complies with EN55032 Class B

Immunity

ESD:EN61000-4-2. Level 3
RS:EN61000-4-3. Level 2
EFT:EN61000-4-4. Level 2
Surge:EN61000-4-5. Level 3
CS: EN61000-4-6. Level 2

Voltage Dips EN61000-4-11

Harmonic: EN61000-3-2 Class A

Isolation Test

Primary to Secondary: 3000VAC for 1 second

10mA

Insulation Resistance

Primary to Secondary: >10M OHM 500VDC

FEATURES:

Over Voltage Protection

Conforms to UL60950-1

Over Current Protection

≤450mA

Short Circuit Protection

300-450mA

Indicator

Blinking GREEN – Unit is "ON" Active with

No Load

Solid GREEN – Unit has detected a Valid

IEEE802.3af Load

Blinking YELLOW/Solid GREEN – Unit has

detected an Invalid Load

Blinking Green/Solid YELLOW – Unit is in

Over Load Condition

Input Connector

IEC6320-C6

Data in/Output Connector

RJ45

E option = Earth grounded shielded Rj45

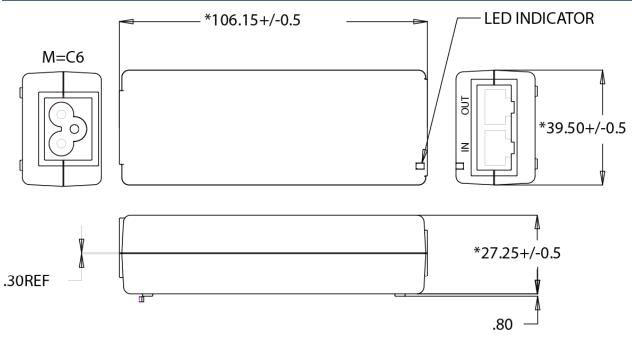
connectors

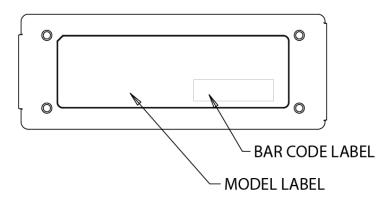
Output Connection

+pin 3,6 / -pins 1,2

Dimension Diagram Unit: mm

WWW.PHIHONG.COM





Supplier's Declaration of Conformity 47 CFR § 2.1077 Compliance Information

Phihong USA Corporation 47800 Fremont Boulevard Fremont, CA 94538 Telephone: (510) 445-0100 www.phihong.com

NOTE: This model has/The models in this products series have been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- —Reorient or relocate the receiving antenna.
- —Increase the separation between the equipment and receiver.
- —Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- —Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to equipment not expressly approved by PHIHONG could void the user's authority to operate the equipment.