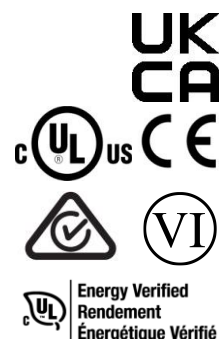




## 15.4W Single Port Power-over-Ethernet IEEE802.3af Compliant Power Injector



### Features

- Compliant with IEEE802.3af Standard
- Non-Vented Case
- Small case size
- 1 Year Warranty
- Gigabit data rates
- Full Protection OCP, OVP
- Low Cost
- DOE Level VI Compliant
- Australia GEMS Registered

### Applications

- IP Telephones
- Wireless Network Access Points
- Security Cameras

### Safety Approvals

- cUL/UL 60950-1
- IEC/EN 60950-1
- AS/NZS 62368.1
- CE
- cUL/UL 62368-1
- IEC/EN 62368-1
- 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 <sup>1</sup> p-p(max)
			Min	Max	Line	Load	
POE15M-1AF-R <sup>2</sup>	1G	56V	10mA	0.275A	54-57V		200mV
POE15M-1AFE-R <sup>3</sup>	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. Special order item. Minimum order quantity applies.
3. Shielded RJ45

**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°C
Non-operation	-20°C to +75°C
Humidity	5 to 90%

**EMC**

Complies with FCC Part 15 Class B  
Complies with EN55032 Class B  
Complies with AS/NZS CISPR 32 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**  
<120V – Latching

**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**

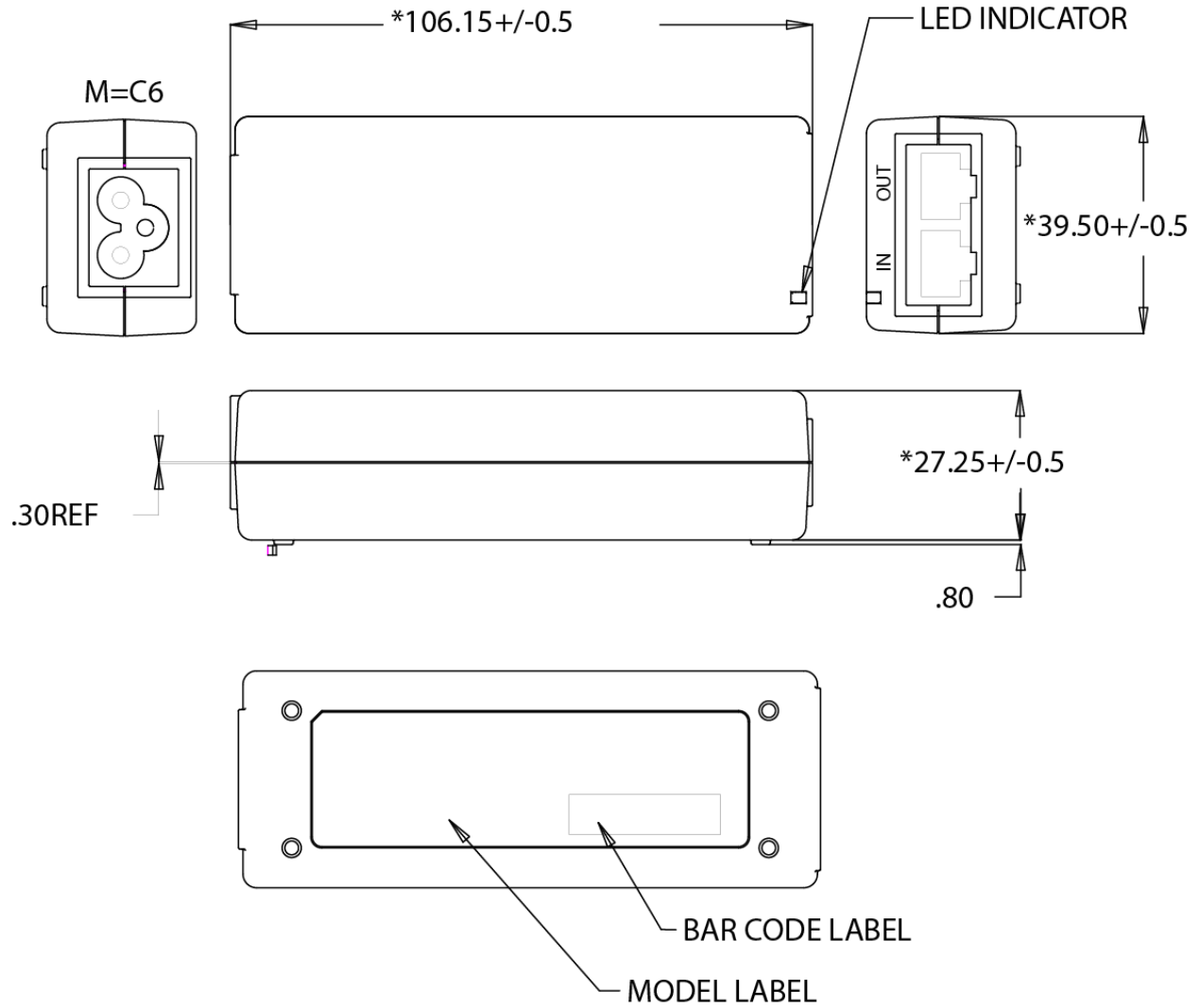
IEC6320-C6

**Data in/Output Connector**

RJ45  
POE15M-1AFE-R: Earth grounded shielded RJ45 connectors

**Output Connection**

+pin 3,6 / -pins 1,2





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

Phihong USA Corporation  
47800 Fremont Boulevard  
Fremont, CA 94538  
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[www.phihong.com](http://www.phihong.com)

*This device complies with/The devices in this product series comply with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.*

# Mouser Electronics

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