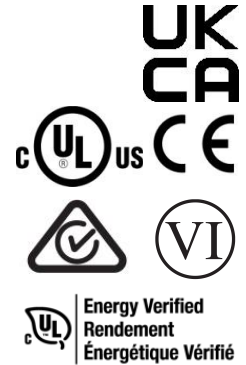


15.4W Single Port Power-over-Ethernet IEEE802.3af Compliant Power Injector



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 ¹ p-p(max)
			Min	Max	Line	Load	
POE15M-1AF-R ²	1G	56V	10mA	0.275A	54-57V		200mV
POE15M-1AFE-R ³	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

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°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 TestPrimary 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

IndicatorBlinking GREEN – Unit is “ON” Active with
No LoadSolid GREEN – Unit has detected a Valid
IEEE802.3af LoadBlinking YELLOW/Solid GREEN – Unit has
detected an Invalid LoadBlinking Green/Solid YELLOW – Unit is in
Over-Load Condition**Input Connector**

IEC6320-C6

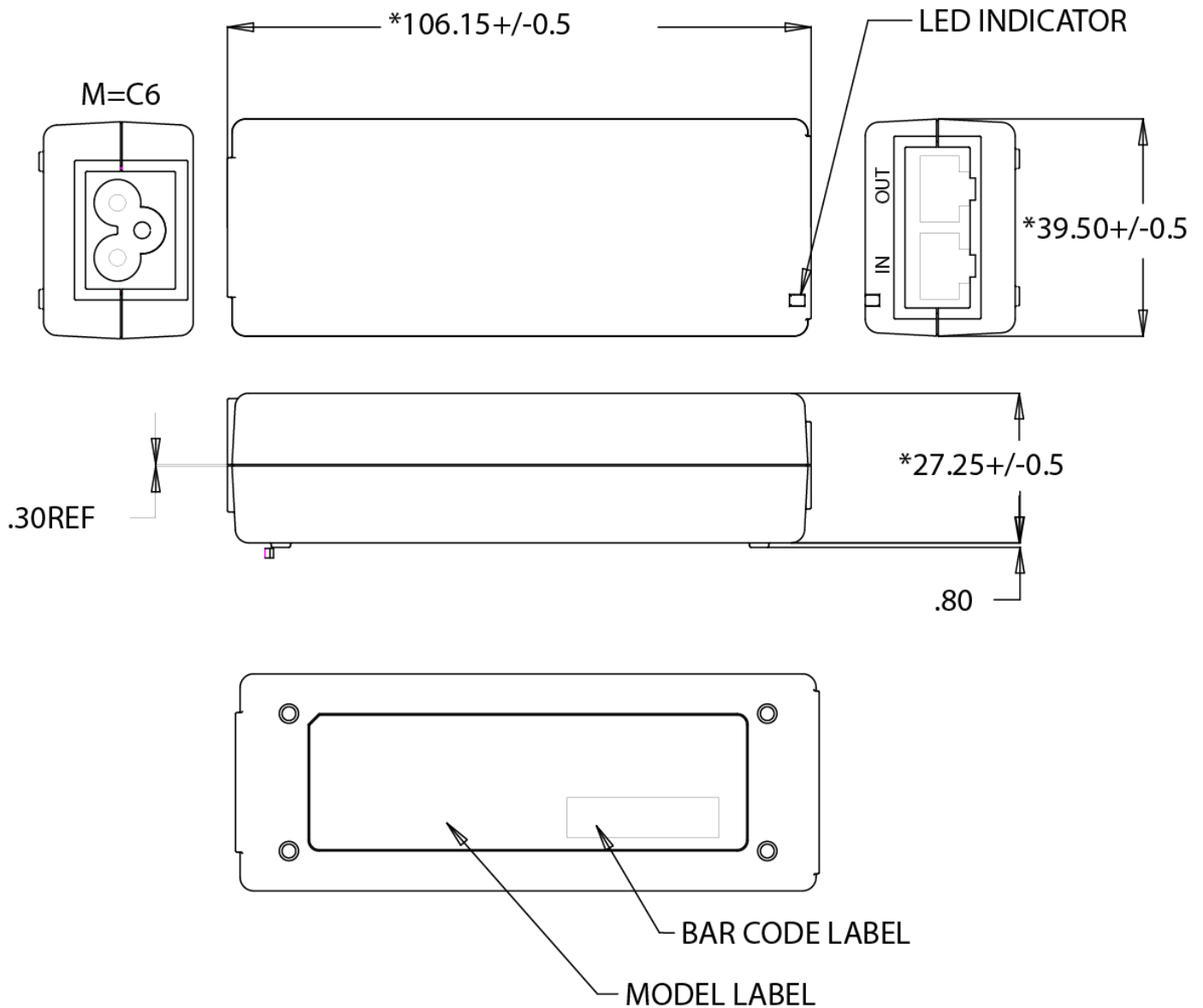
Data in/Output Connector

RJ45

POE15M-1AFE-R: Earth grounded shielded
RJ45 connectors**Output Connection**

+pin 3,6 / -pins 1,2

Dimension Diagram Unit: mm



Revision 8/3/2022