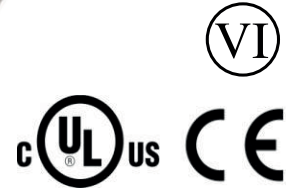




## 15W Single Port Power-over-Ethernet Midspan IEEE802.3AF Compliant Power Injector



### Features

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

### Applications

- |                                |                  |
|--------------------------------|------------------|
| IP Telephones                  | Security Cameras |
| Wireless Network Access Points |                  |

### Safety Approvals

- |                |     |
|----------------|-----|
| cUL/UL 60950-1 | CE  |
| IEC/EN 60950-1 | LPS |

### Mechanical Characteristics

- |                        |                       |
|------------------------|-----------------------|
| Length: 106mm (4.17in) | Height: 27mm (1.1in)  |
| Width: 40mm (1.57in)   | 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	1G	56V	10mA	0.275A	54-57V		200mV
POE15M-1AFE-R <sup>2</sup>	1G	56V	10mA	0.275A	54-57V		200mV
POE15M-1AFE-2-R	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

E option = Earth grounded shielded Rj45 connectors

Phihong is not responsible for any error, and reserves the right to make changes without notice.

## 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 -25°C to +70°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 (inch)

