



## 15W Single Port Power-over-Ethernet Midspan 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 60950-2
- IEC/EN 60950-2
- CE
- LPS

### Mechanical Characteristics

- Length: 106mm (4.17in)
- Width: 40mm (1.57in)
- Height: 27mm (1.1in)
- Weight: 100g (3.5oz.)

### Output Specifications

Model	Input Connector	DC Output Voltage	Load		Regulation		Output Power
			Min	Max	Line	Load	
POE15M-1AF	C6	56V	0A	0.275A	±5%		15.4W
POE15W-1AF	C8 <sup>1</sup>	56V	0A	0.275A	±5%		15.4W

Notes: 1. C8 is polarized, however non-polarized cables can be used. The internal circuit does not require polarization.

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**INPUT:****AC Input Voltage Range**

90 to 264VAC

**AC Input Voltage Rating**

100 to 240VAC

**AC Input Current**

0.5A (RMS) max for 90VAC

0.35A (RMS) max for 240VAC

**Leakage Current**

0.25mA max @ 254VAC 50Hz

**AC Input Frequency**

47-63Hz

**AC Inrush Current**

30A (RMS) max for 115VAC

60A (RMS) max for 230VAC

**OUTPUT:****Total Output Power**

15.4W

**Ripple and Regulation**

200mV max @25C, 115VAC, 60Hz &amp;

230VAC, 50Hz

**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**

FCC Part 15 Class B

EN55022 Class B

**Immunity EN50082-1**

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: &gt;10M OHM 500VDC

**FEATURES:****Over Voltage/Current/Short Circuit Protection**

The output is equipped with short-circuit protection and overload protection as per the IEEE802.3af specification and conforms to UL60950-2. The output can be shorted permanently without damage.

**Indicator**

Solid Green: unit has detected a valid IEEE802.3af load

Blinking Green: Power "ON" active with no load

Blinking Green/Solid Red: Over load condition

Blinking Red/ Solid Green: Invalid load

**Data in/Output Connector**

RJ45

E option = Earth grounded shielded Rj45 connectors

**Output Connection**

+pin 3,6 / -pins 1,2

