



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 60950-1
- 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	Input Connector	DC Output Voltage	Load		Regulation		Output Power
			Min	Max	Line	Load	
POE15W-1AF ¹	C8 ²	56V	0A	0.275A	±5%		15.4W

Notes:

1. Consult factory for availability.
2. C8 is polarized, however non-polarized cables can be used. The internal circuit does not require polarization.

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

POE15W-1AF Characteristics

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 @25°C, 115VAC, 60Hz &

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

Complies with FCC Part 15 Class B

Complies with EN55032 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: >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 UL60950-1. 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

Dimension Diagram Unit: mm (inch)

