

TECHNICAL DATASHEET

15.4W Single Port PoE IEEE802.3af Compliant Power Injector



Applications

- IP Telephones
- Security Cameras
- Wireless Network Access Points

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 Compliant
- Australia GEMS Registered

Safety Standards



- cUL/UL 60950-1
- IEC/EN 60950-1
- AS/NZS 62368.1
- CE
- cUL/UL 62368-1
- IEC/EN 62368-1
- LPS

Dimensions

106 x 40 x 27 mm
(4.17 x 1.57 x 1.1 inch)

Weight

100g (3.5oz)

Output Specification

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

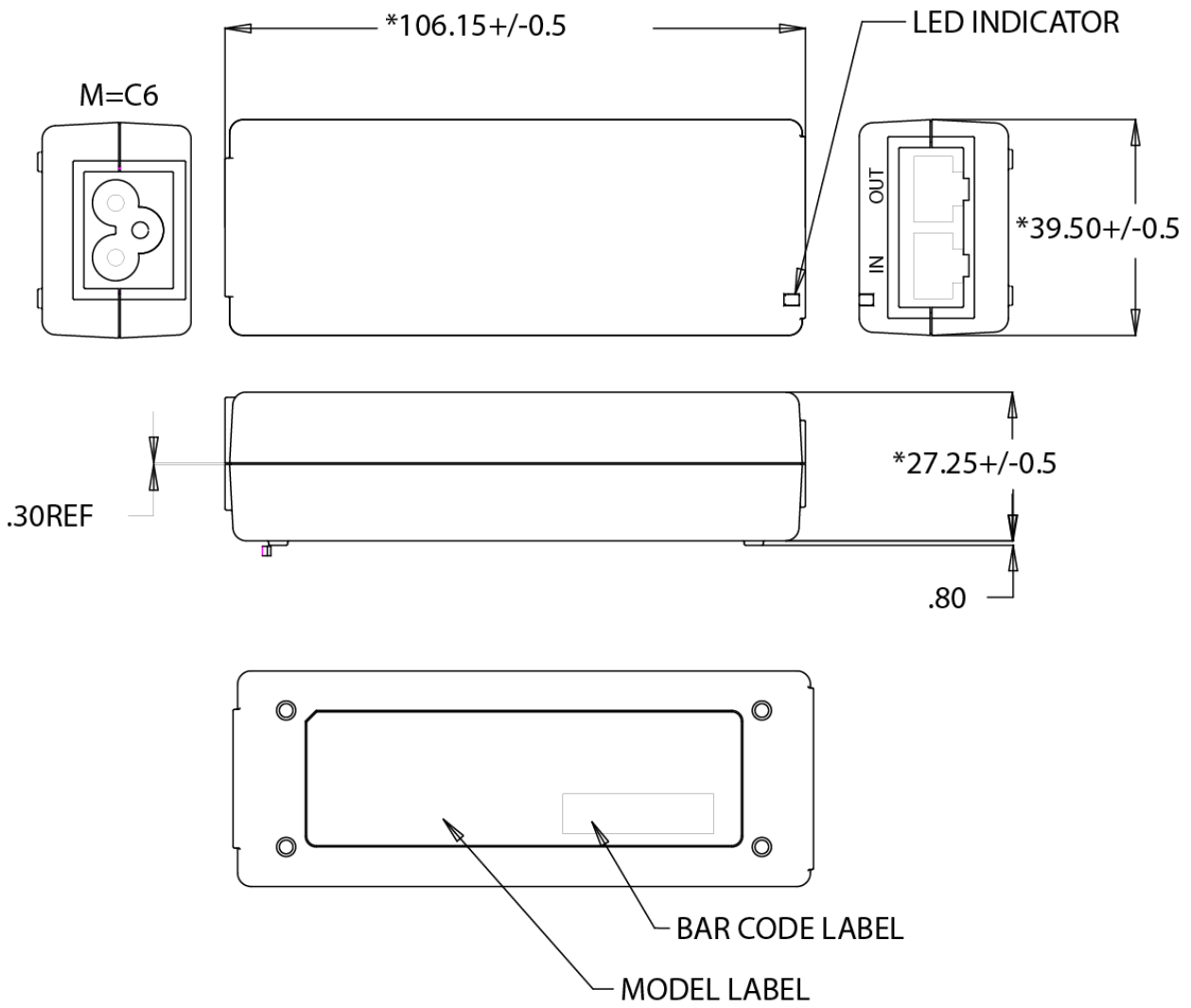
Characteristics

Model	POE15M-1AF	
Input	AC Input Voltage Rating	110 to 240V AC
	AC Input Voltage Range	90 to 240V AC
	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
	Inrush Current	30A (RMS) max for 115VAC 60A (RMS) max for 230VAC
	Leakage Current	<100uA at 264VAC/50Hz
	Inrush Current	80A maximum at 240V AC (Cold start & at input rated voltage +/-12.5%)
	Hold-up time:	16mS min at max load and 120VAC, 60Hz
Environmental	Operating Temperature	20°C to +50°C
	Non-Operating Temperature	-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

Phihong is not responsible for any error and reserves the right to make changes without notice. Please visit our website at www.phihong.com for the most up-to-date specifications and contact information.

Dimensional Diagram Unit: mm



Phihong Locations



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