



# Single Port 15.4W Power-over-Ethernet Passive Power Injector



## **Features**

- No Detection – passive injector
- Non-Vented Case
- Gigabit Data Rates
- DoE Level VI Compliant
- ErP/Ecodesign Directive 2009/125/EC – Regulation EU 2019/1782 Compliant
- Small Case Size
- Full Protection OCP, OVP
- Low Cost
- 1-year Warranty

## **Applications**

- IP telephones
- Wireless Network Access Points
- Security Cameras

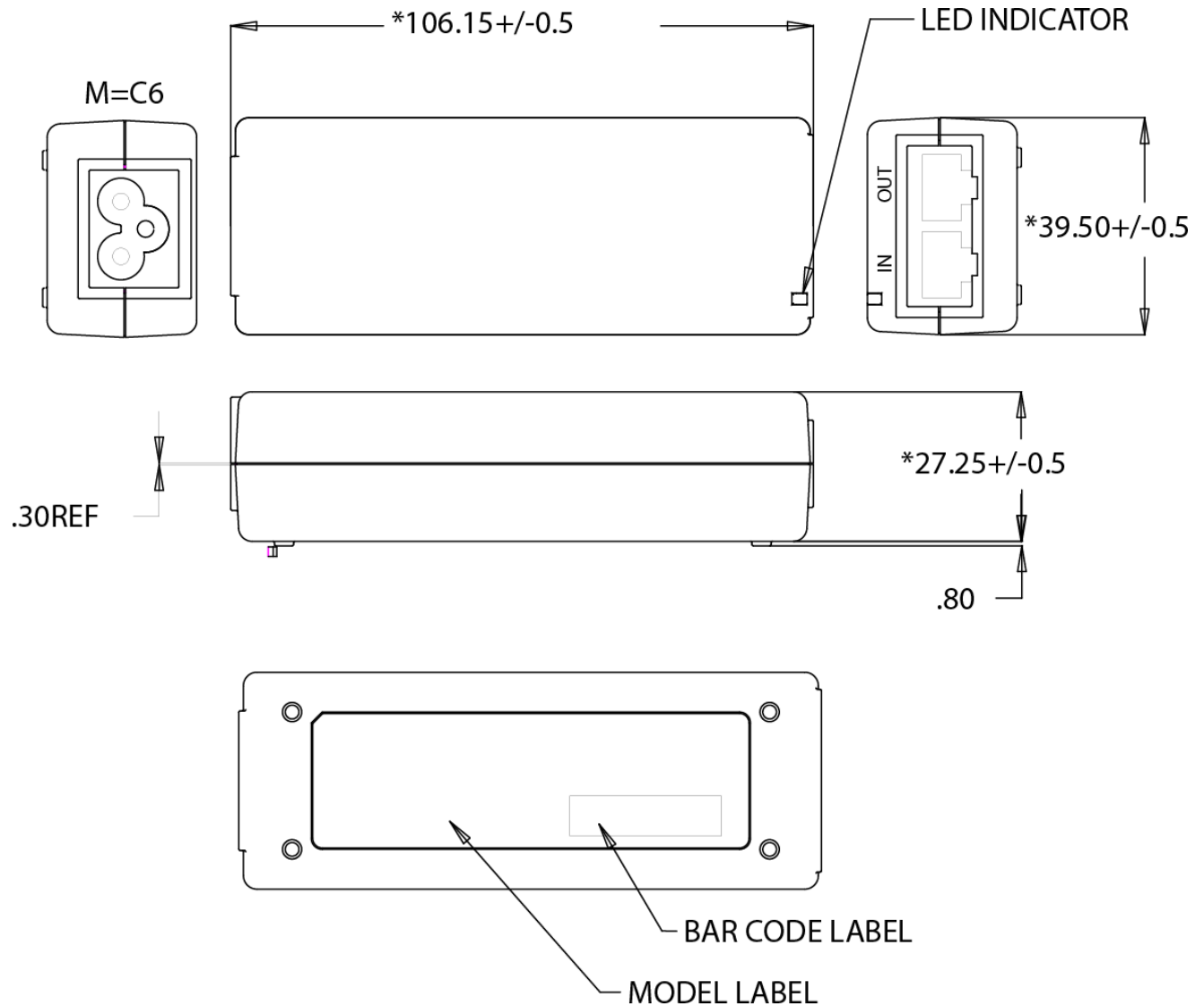


# POE15M-560 Specifications<sup>1</sup>

| Model                    |   | POE15M-560-R <sup>2</sup>  | POE15M-560E-R |
|--------------------------|---|--|---------------|
| Output                   | DC Output Voltage   | 56.0V  | 56.0V         |
|                          | Max Current   | 0.275A   | 0.275A        |
|                          | Output Power  | 15.4W  | 15.4W         |
|                          | Data Speed  | 1G   |               |
|                          | Regulation <sup>3</sup>   | +1V, -2V   |               |
|                          | Ripple & Noise P-P(max) <sup>4</sup>  | 200mV  |               |
| Input                    | AC Input Voltage Range  | 90 to 264VAC   |               |
|                          | AC Input Frequency  | 47 to 63Hz   |               |
|                          | Input Current   | 0.5A (RMS) max for 90VAC, 0.35A (RMS) max for 240VAC   |               |
|                          | No Load Power Consumption at 115VAC Input   | ≤ 0.1W   |               |
|                          | No Load Power Consumption at 230VAC Input   | ≤ 0.075W   |               |
|                          | 115VAC Average Efficiency <sup>5</sup>  | ≥ 84.26%   |               |
|                          | 230VAC Average Efficiency <sup>5</sup>  | ≥ 81.72%   |               |
|                          | 230VAC 10% Load Efficiency <sup>5</sup>   | ≥ 71.72%   |               |
|                          | Leakage Current   | 0.25mA max for 254VAC/50Hz   |               |
| Protections              | Over-Voltage  | ≤120V, Latching  |               |
|                          | Over-Current  | ≤400mA   |               |
|                          | Short Circuit   | Continuous. No damage.   |               |
| Environmental            | Operating Temperature   | -20°C to +50°C   |               |
|                          | Non-Operating Temperature   | -25° to +75°C  |               |
|                          | Operating Humidity  | 5 to 90% RH max  |               |
| Safety Approvals and EMC | Dielectric Withstand (HI-POT)   | Primary to Secondary: 4242VDC for 1 sec, 10mA  |               |
|                          | Insulation Resistance   | Primary to Secondary: >10M ohm for 500VDC  |               |
|                          | Standards   | cULus 60950-1, cULus 62368-1, IEC 60950-1, IEC 62368-1   |               |
|                          | EMI Emissions   | FCC Part 15 Class B, CAN ICES-003(B)/NMB-003(B), EN 55032/CISPR 32 Class B Conducted and Radiated  |               |
|                          | Harmonic Current Emissions  | IEC 61000-3-2  |               |
|                          | Voltage Fluctuations & Flicker  | IEC 61000-3-3  |               |
|                          | Immunity  | EN 55035/CISPR 35: IEC 61000-4-2 (Contact: ±4KV, Air: ±8KV), IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5 (± 2kV), IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11 |               |
| Mechanical               | Dimensions (L x W x H)  | 106.2mm (4.18in) x 40.0mm (1.56in) x 27.3mm (1.07in)   |               |
|                          | Weight  | 100g   |               |
|                          | Input Connector   | IEC320 C6  |               |
|                          | Output Connection   | +pins 3,6/ -pins 1,2   |               |
|                          | Data In/Output Connector  | Unshielded RJ45  | Shielded RJ45 |
|                          | LED Indicators  | Solid Blue: Power “ON”   |               |
| Notes                    | 1. The specifications defined are at ambient temperature of 25°C, unless otherwise specified.<br>2. Not recommended for new designs (NRND). Minimum order quantities apply.<br>3. Voltage to be measured within 2" of the output RJ45 connector.<br>4. 20MHz bandwidth frequency oscilloscope, add a 0.1µF multilayer Cap. and Low ESR Electrolytic Cap. (10µF) at output connector terminals (nominal line voltage, full load).<br>5. Efficiency is measured after 30 minutes burn-in. |  |               |



# POE15M-560 Outline Drawing






**Supplier's Declaration of Conformity**  
**47 CFR § 2.1077 Compliance Information**

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*This device complies with/The devices in this product series comply with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.*



# Line Cords – Sold Separately

| Model            |                 | AC30MNA-R  |
|------------------|-----------------|--|
| Specifications   | Plug Type       | North America NEMA 5-15P   |
|                  | Connector       | IEC320 C6  |
|                  | Wire Size       | 18 AWG   |
|                  | Temperature     | 60°C   |
|                  | Amperage Rating | 7A   |
|                  | Voltage Rating  | 125V   |
|                  | Cable Length    | 1829mm   |
| Safety Approvals |                 | CSA; UL  |
| Photos           |                 |  |



# Line Cords - Outline Drawings

