



## 21W DC-DC Power over Ethernet Splitter POE21 Gigabit IEEE802.3at Compliant Splitter



### Features

- Compliant with the IEEE802.3at Standard
- DC Good LED
- Gigabit Compatible
- Designed to work with POE36U-1AT Single Port Injector
- UNH IOL Test Report
- Full Protection OTP, OCP, OVP
- User Changeable Tips
- Non-Vented Case
- 1 Year Warranty

### Applications

- IP Telephones
- Wireless Network Access Points
- Security Cameras
- IP Print Servers

### Safety Approvals

- CE

### Mechanical Characteristics

- Length: 100mm (3.97in)
- Width: 56mm (2.2in)
- Height: 27.9mm (1.1in)
- Weight: 0.142Kg (0.31lb)

### Output Specifications

Model	DC Output Voltage	Output Current
POE21-120	12V	1.75A
POE21-240	24V	0.875A

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**INPUT**
**Input Voltage Range**

Receives power from either data or spare pairs  
45-57V DC

**Input Current**

0.6A (RMS) maximum

**OUTPUT**
**Regulation**

Line and Load  $\pm 4\%$

**Ripple**

12V 120mVp-p  
24V 240mVp-p

**Efficiency**

80% (typical) at maximum load 48V DC

**O/P Voltage Protection**

In case of output voltage overload, crowbar will short

**ENVIRONMENTAL**
**Temperature**

Operation 0 to  $+40^{\circ}\text{C}$   
Non-operation  $-20$  to  $+65^{\circ}\text{C}$

**Humidity**

Operation 5 to 90%

**Immunity**

ESD: EN61000-4-2 Level 3  
RS: EN61000-4-3 Level 2

**EMC**

EN55022 Class A  
FCC Part 15, Class A

**Dielectric withstand (HI-POT) Test**

Primary to secondary: 2121VDC for 1 minute 10mA

**Insulation Resistance**

Primary to secondary:  $>10\text{M Ohm}$  500VDC

**Indicators**

GREEN LED – Output Good

**Short Circuit Protection**

Output can be shorted permanently without damage

**Warranty**

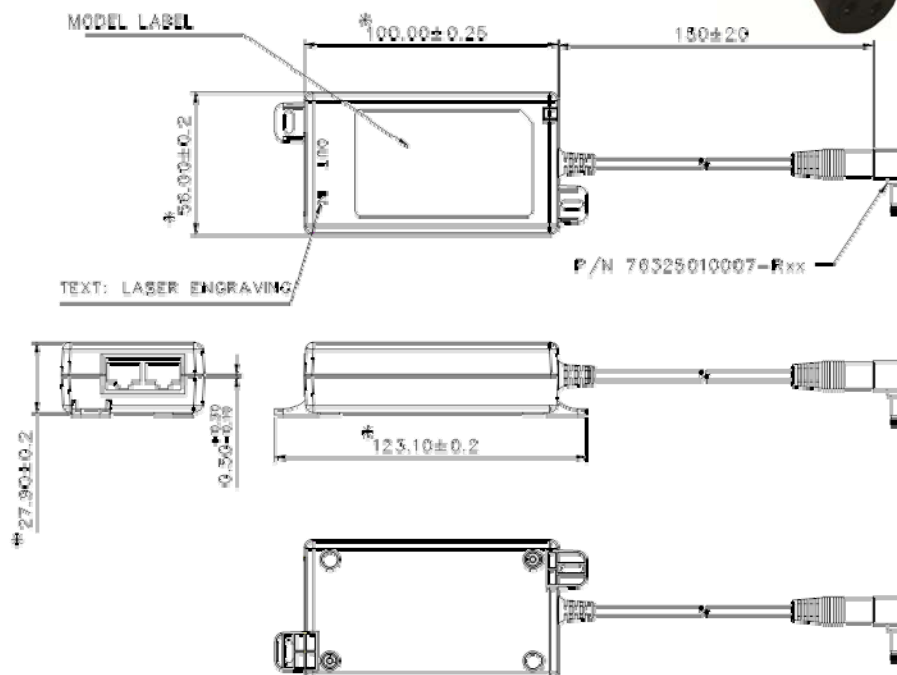
1 Year

**Input and Output Data Connector**

RJ45

**Output Connector**

Center Positive Barrel 12mm x 2.1mm x 5.5mm  
Tip is user changeable for other sizes


**Dimension Diagram Unit: mm**


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