



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
- Full Protection OTP, OCP, OVP
- Works with any layer 1 IEEE802.3at Power Sourcing Equipment
- 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 (0.311lb)

Output Specifications

Model	DC Output Voltage	Output Current
POE21-120-R ¹	12V	1.75A
POE21-240-R ¹	24V	0.875A

Notes:

1. Can only be used with unshielded cables

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°C

Non-operation -20 to +65°C

Humidity 5 to 90%

Immunity

ESD: EN61000-4-2 Level 3

RS: EN61000-4-3 Level 2

EMC

Complies with FCC Class B

Complies with EN55032 Class B

Dielectric withstand (HI-POT) Test

Primary to secondary: 2121VDC for 1 minute
10mA

Insulation Resistance

Primary to secondary: >10M Ohm 500VDC

FEATURES:**Indicators**

GREEN LED – Output Good

Short Circuit Protection

Output can be shorted permanently without damage

Input and Output Data Connector

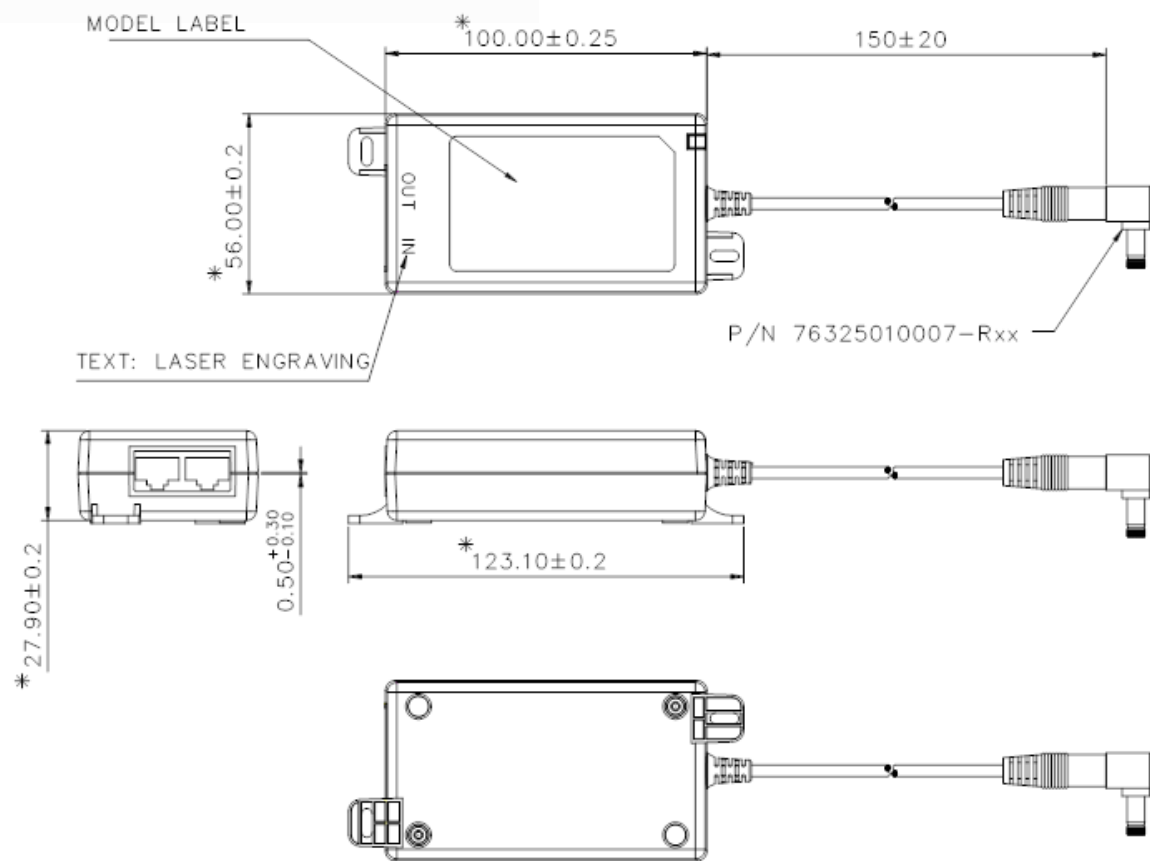
RJ45

Output Connector

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



Dimension Diagram Unit: mm





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

Phihong USA Corporation
47800 Fremont Boulevard
Fremont, CA 94538
Telephone: (510) 445-0100
www.phihong.com

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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Phihong:](#)

[POE21-120-R](#) [POE21-240-R](#)