



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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POE21 Characteristics

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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

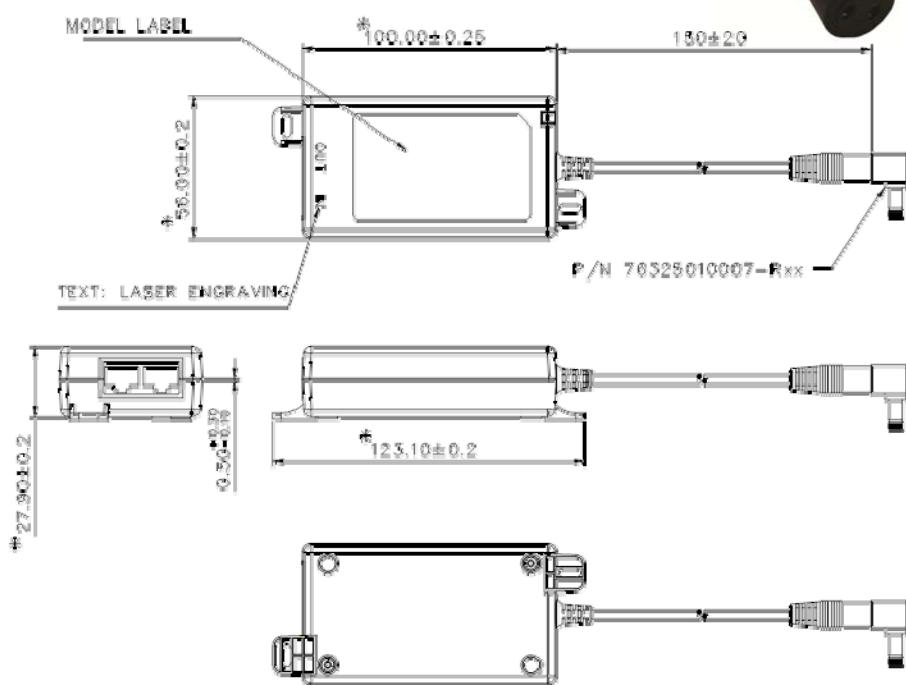
Temperature

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

Humidity

Operation 5 to 90%

Dimension Diagram Unit: mm



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

Mouser Electronics

Authorized Distributor

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