



DC-DC Power over Ethernet Splitter POE14 Fully Compliant IEEE802.3af PD Power Supply



Features

- Fully Compliant IEEE802.3af DC Power Supply
- DC Good LED
- Non-Vented Case
- UNH IOL Test Report Available
- Gigabit Compatible
- Full Protection OTP, OCP, OVP
- 10/100/1000 MB Base-T Data Rates

Applications

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

Safety Approvals

- CE

Mechanical Characteristics

- Length: 100mm (3.94in)
- Width: 56mm (2.2in)
- Height: 28mm (1.1in)
- Weight: 0.2Kg (7.05oz)

Output Specifications

Model	DC Output Voltage	Output Current
POE14-033	3.3V	3.0A
POE14-050	5V	2.2A
POE14-120	12V	1.0A
POE14-137	13.7V	1.0A

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INPUT:
Input Voltage Range

36 to 56V DC; Receives power from either data or spare pairs

Input Current

0.6A (DC) 36 V DC at maximum load

Inrush Current

0.4A maximum

OUTPUT:
Regulation

Line and Load $\pm 5\%$

Ripple

12 & 13.7V models 120mVp-p

5 & 3.3V models 75mVp-p

Efficiency

72% (typical) at maximum load and 48V DC

Output Power

Output Model	Limit
3.3V	8.25W at 36-57V DC
5V	12.5W at 36-57V DC
12V	12W at 36-55V DC
12V	14W at 55-57V DC
13.7V	13.7W at 36-57V DC

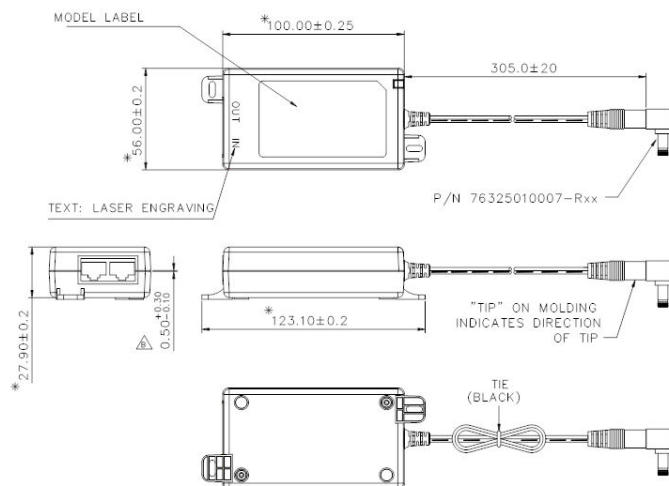
ENVIRONMENTAL:
Temperature

Operation 0 to +40°C

Non-Operation -25 to +65°C

Humidity

Operation 5 to 90%

Dimension Diagram Unit: mm
POE14-050 & POE14-033

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

Note: CS, Surge, Harmonics and Dips tested with POE20U

EMC

EN55022 Class A

Dielectric withstand (HI-POT) Test

1500V AC for 1 minute, 10mA

Insulation Resistance

Primary to secondary: >10M Ohm 500V DC

FEATURES
Short Circuit Protection

Output can be shorted permanently without damage

Over Voltage Protection

By Zener clamping

Indicators

Green LED – Output Good

Input and Output Data Connector

RJ45

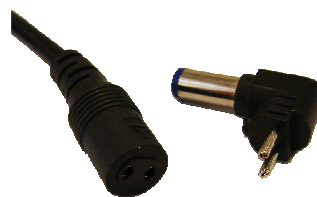
Delay

2 Seconds maximum at turn on

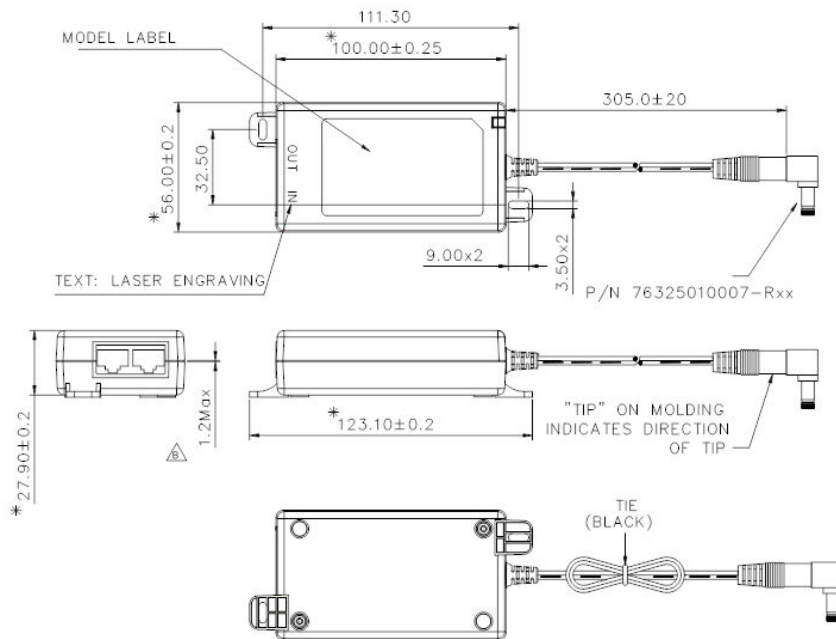
Output Connector

Center Positive Barrel 9mm x 2.5mm x 5.5mm

Tip is user changeable for other sizes



POE14-120



POE14-137

