splitters

Phihongs low cost Splitters are designed to use with any non-enabled devise. The splitter provided required PoE detection and Data separation and provides isolated DC-DC to step down the voltage to input into a conventional jack socket. Product is in development.



- POE14
- POE21
- <u>POE45</u>



14W DC-DC Power Over Ethernet Splitter POE14 Fully Compliant IEEE802.3af PD Power Supply



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Features

- Fully Compliant IEEE802.3af PD Power Supply
- DC Good LED
- Non-Vented Case
- Gigabit Compatible

- UNH IOL Test Report
- Full Protection OTP, OCP, OVP
- 10/100/1000 Base T Data rates

Applications

- IP Telephones
- Wireless Network Access Points
- Blue Tooth Access Point

- Security Camera
- IP Print Servers

Safety Approvals

• CE

Mechanical Characteristics

Length: 100mm (3.937in)Width: 56mm (2.205in)

Height: 28mm (1.098in)Weight: 0.142Kg (0.313lb)

Output Specifications

Model	DC Output Voltage	Output Current
POE14-033	3.3V	2.5A
POE14-050	5V	2.5A
POE14-120	12V	1.0A or 1.17A

POE14 Characteristics

INPUT:

Input Voltage Range

Receives power from either Data or spare pairs

Model name	Input Voltage Range	
POE14-033	36-57VDC	
POE14-050	36-57VDC	
POE14-120	1A for36-55VDC, 1.17A for 55-57VDC	

Input Current

0.6A(RMS) max.

OUTPUT:

Regulation

Line and Load ±4%

Ripple

12V 120mVp-p 5&3.3V 100mVp-p

Efficiency

POE14-033: 65% (typical) at Max. load 48Vinput POE14-055: 70% (typical) at Max. load 48Vinput POE14-120: 72% (typical) at Max. load 48Vinput

O/P Voltage Protection

In case of output voltage, crowbar will short

ENVIRONMENTAL:

Temperature

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

Humidity

Operation 5 to 90%

Immunity

ESD: EN61000-4-2. Level 3
RS: EN61000-4-3. Level 2
CS: EN61000-4-6. Level 2
Note: RS and CS tested with POE20U

EMC

EN55022 Class A

Isolation Test

This Splitter output is isolated from incoming POE voltages

Indicators

GREEN LED - Output Good

Input and Output DataConnector

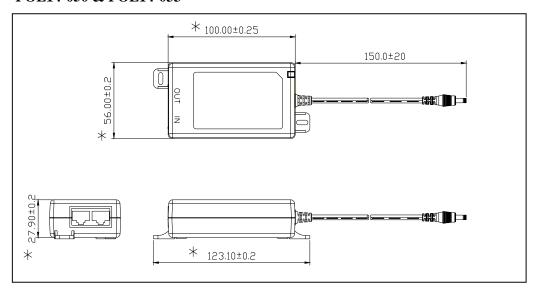
RJ45

Output Connector

Center Positive Barrel 9mm x 2.5mm ID x 5.5mm OD

Dimension Diagram Unit: mm (inch)

POE14-050 & POE14-033



POE14-120

