



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



**InterOperability Laboratory**  
Part of the University of New Hampshire Research Computing Center



### 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

**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**

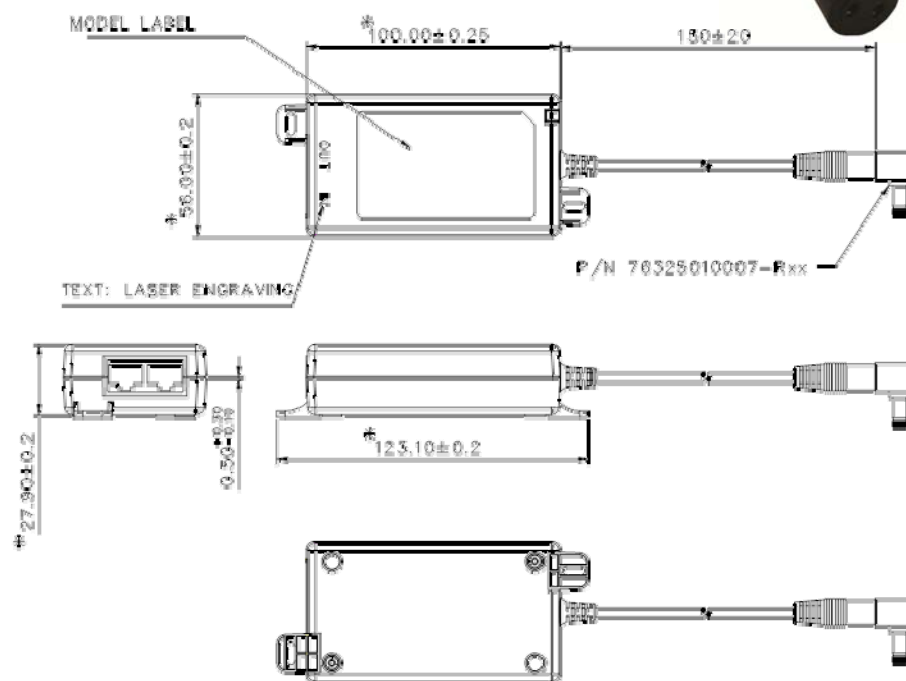
1 Year

**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**


From: Usasales Pihong <Usasales@phihongusa.com>  
Date: Thu, 14 Jun 2012 17:53:25 -0500  
To: Kevin Jackson <Kevin.Jackson@alliedelec.com>  
Subject: RE: Need Product Information

Hi Kevin,

-R is an internal labeling system denoting RoHS.. Since all of our products is RoHS compliant, we've started to drop that labeling..  
Either way, -R or not, it's the same thing.  
Richard

From: Kevin Jackson [mailto:Kevin.Jackson@alliedelec.com]  
Sent: Thursday, June 14, 2012 11:42 AM  
To: usasales@phihongusa.com  
Subject: Need Product Information

I have several part numbers that end with "-R".  
Can you tell me what the "-R" means?  
Thanks, Kevin

Kevin Jackson | Allied Electronics  
Content Manager  
Ft. Worth, TX  
Phone: 817-595-8636 (77636)  
Fax: 817-595-8508 (77508)  
Web: <http://www.alliedelec.com>