



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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19.6W Single Port Power over Ethernet Midspan IEEE802.3af Compliant Power Injector



Features

- Compliant with IEEE802.3af Standard
- Non-vented Case
- Full Protection OVP, OCP
- Limited Power Source
- Gigabit Compatible
- 1 Year Warranty

Applications

- IP Telephones
- Wireless Access Points
- Bluetooth[®] Access Points
- Security Cameras
- IP Print Servers
- WiMAX[®] Access Points

Safety Approvals

- CE
- cUL/US

Mechanical Characteristics

- Length: 140mm (5.51in.)
- Width: 65mm (2.55in.)
- Height: 36mm (1.42in.)
- Weight: 0.2Kg (7.58oz)

Output Specifications

Model	AC Input	DC Output Voltage	Load		Regulation	
			Min.	Max.	Line	Load
POE21U-1AF	Three Wire	56V	10mA	350mA	±5%	
POE21W-1AF	Two Wire	56V	10mA	350mA	±5%	

Phihong is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at www.phihong.com for the most up-to-date specifications and contact information.

INPUT:

AC Input Voltage Rating
100 to 240VAC

AC Input Voltage Range
90 to 264VAC

AC Input Current
0.8A (RMS) maximum at 120VAC
0.55A (RMS) maximum at 240VAC

AC Input Frequency
47 to 63Hz

Leakage Current
U Model – 350uA maximum
W Model – 250uA maximum

Max In-rush Current
60A maximum at 240VAC and maximum load
(Cold Start at ambient 25°C)

OUTPUT:
Output Power
19.6W

Hold up Time
10mSec minimum at maximum load at 120VAC, 60Hz

Transient O/P Voltage Protection
60V maximum at switch on/off at any AC line phase

Efficiency
80% Typical at maximum load at 120VAC, 60Hz

Environment
Operating Temperature 0 to +40°C
Non-operating Temperature -20 to +65°C

Relative Humidity 5 to 90%

EMI

EN55022 Class B
FCC part 15 Class B

EMC

ESD:	IEC61000-4-2	Level 3
RS:	IEC61000-4-3	Level 3
EFT/Burst:	IEC61000-4-4	Level 2
Surge:	IEC61000-4-5	Level 3
CS:	IEC61000-4-6	Level3
Voltage Dips:	IEC61000-4-11	
Harmonic:	IEC61000-3-2	Class A

Isolation (HI-POT)

Primary to secondary: 1500VAC for 1 minute, 10mA

Insulation Resistance

Primary to secondary: 10M Ohm 500VDC

FEATURES:

Cisco

No extern parts required for Legacy devices:
VoIP Phones: 7910, 7912, 7940, 7960
Access Points: 1040, 1140, 1250, 1260, 3500

Over Voltage/Current, Short Circuit Protection

The output is equipped with short-circuit protection and overload protection as per the IEEE 802.3af specification and conforms to UL60950-2. The output can be shorted permanently without damage.

Indicator (Status)

Solid Green: Valid IEEE802.3af load detected and connected “ON”
Blinking Green: Power “ON” ready for connection
Blinking Red/Green: Invalid load connected
Blinking Red: fault

AC Input Connector

U models - IEC320 inlet 3-pin C14
W models – IEC320 inlet 2-pin C8

Output Connection

+pins 3,6 / -pins 1,2

Data IN/POE OUT Connector

RJ45

Warranty

1 Year

Dimension Diagram Unit: mm

