



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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75W Power over Ethernet Adapter Ultra Power over Ethernet Single Port Injector



Features

- Compliant Detection, Disconnect and Voltage Control per IEEE802.3af
- Diagnostic LEDs
- Gigabit Compatible
- 1 Year Warranty
- 25K Detection for Full Power
- Proprietary Detection, Disconnect and Overload Protection
- Full Protection OCP, OVP
- Single Source 4 Pair Power Current Sharing
- Broken Wire Detection
- Class 4 Operation

Applications

- Satellite Receiver
- Wireless Network Access Points
- LCD Displays
- Security Cameras
- Kiosks
- Computer Workstations

Safety Approvals

- cUL/UL
- CE

Mechanical Characteristics

- Length: 166mm (6.53in)
- Width: 80mm (3.15in)
- Height: 44mm (1.73in)
- Weight: 0.5Kg

Output Specifications

Model	DC Output Voltage	Load		Regulation	
		Min.	Max.*	Line	Load
POE75U-1UP(PD)	56V	0A	0.67A	54-57V DC under all conditions	

Note (*) = Load per output. Output on spare pairs and data pairs is 0.67A for a combined output current of 1.34A.

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 Range
90 to 264VAC

AC Input Voltage Rating
100 to 240VAC, 47-63Hz

AC Input Current
2.0A (RMS) maximum for 90VAC
1.2A (RMS) maximum for 240VAC

Leakage Current
3.5mA maximum @ 254VAC 60Hz

AC Inrush Current
30A (RMS) maximum for 115VAC
60A (RMS) maximum for 230VAC

OUTPUT:

Total Output Power
75W

Ripple and Regulation
250mV maximum

DC Offset
No data degradation with DC imbalance 18mA per min.

Efficiency
80% (typical) at maximum load, and 120VAC 60Hz

Hold-up Time
10mS min. 120VAC and maximum load

Transient O/P Voltage Protection
60V maximum

ENVIRONMENTAL:

Temperature
Operation -20 to +40°C
Non-operation -25 to +65°C

Humidity
Operation 5 to 90%

EMC

FCC Part 15 Class B
EN55022 Class B

Isolation Test

Primary to Secondary: 4242VDC for 1 minute 10mA
Primary to Field Ground: 2121VDC for 1 minute
Output to Field Ground: 2121VDC

Immunity

ESD: EN61000-4-2. Level 3
RS: EN61000-4-3. Level 3
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 Class A

Insulation Resistance

Primary to Secondary: >10M OHM 500VDC
Primary to Field Ground: >10M OHM 500VDC

Detection

Requires 25K detection on data pairs 3,6(+) 1,2(-) for full power 75W

FEATURE:

Over Voltage/Current, Short Circuit Protection

Outputs equipped with short circuit protection and overload protection. The output can be shorted permanently without damage.

Indicators

Green LED 1: DC Power "OK"
Red LED: Fault detected
Green LED 2: Power detected "CONNECT" at 75W

Input Connector

IEC320 inlet 3 pin

Output Connection

4-pair powering
Pins 3,6, 4,5(+) Pins 1,2, 7,8 (-)

Warranty

1 Year

