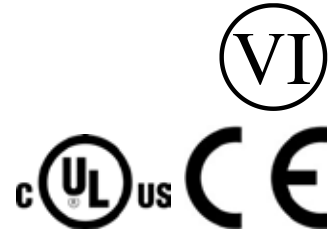


30W, IEEE802.3at Single Port PoE Active Injectors



X

Features

- IEEE802.3at Complaint
- DOE VI Efficiency
- EU CoC Version 5 Tier 2 Efficiency
- Compact Size
- Limited Power Source
- Three Wire Input Models
- Full Over-Voltage and Over-Current Protection
- Non-Vented Case
- 1 Year Warranty

Applications

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

Safety Approvals

- cUL/UL (62368-1)
- CB (IEC62368-1)
- CE
- UL,cUL, CB 60950-X

Mechanical Characteristics

- Length: 126mm (4.96in.)
- Width: 45.5mm (1.79in.)
- Height: 30mm (1.18in.)
- Weight: 0.16kg (5.64oz)

Output Specifications

Model	Data Speed	DC Output Voltage	Load		Regulation ¹	
			Min.	Max.	Line	Load
POEA30U-1AT-R ²	1G	56V	10mA	536mA	54-57V	
POEA30U-1ATE-R	1G	56V	10mA	536mA	54-57V	
POEA30U-1AT-2-R	2.5G	56V	10mA	536mA	54-57V	
POEA30U-1AT-5-R	5G	56V	10mA	536mA	54-57V	
POEA30U-1AT-X-R	10G	56V	10mA	536mA	54-57V	

Notes:

1. Voltage measured within 2" of the output RJ45 connector on data pairs 3,6(+) and 1,2(-)
2. Unshielded RJ45 jacks

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Revision 6/18/2019

POEA30U-1AT-R Characteristics

INPUT:

AC Input Voltage Range
90 to 264VAC

AC Input Current
0.8A (RMS) max

AC Input Frequency
47Hz to 63Hz

Leakage Current
3.5mA max @254V, 50Hz

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

OUTPUT:

Output Power
30W, de-rated up to 15W at 50°C

Hold up Time
10mSec min at max load at 120VAC, 60Hz

Efficiency
Minimum 85% @max load

ENVIRONMENTAL

Temperature
Operating -10°C to +40°C
Non-operating -20°C to +70°C
Relative Humidity 5 to 90%

EMI

EN55032 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, Level 3
Voltage Dips: IEC61000-4-11, Class 3
Harmonic: IEC61000-3-2, Class A

Isolation (HI-POT)

4242VDC for 1 minute, 10mA

Insulation Resistance

Primary to secondary:>10M Ohm 500VDC

FEATURES:

Over Voltage Protection

Non-Latching auto recovery

Over Current Protection

<750mA Non-latch

Short Circuit Protection

Non-Latching auto recovery. Output can be shorted permanently without damage.

LED Indicators

Green LED Slow Blinking – No connection
Green LED Fast Blinking – No Load
Green Solid – Power Good
Green/Yellow Fast Blink – Fault Detected
Yellow Solid with Green Blink – Over/Short Current Detected

AC Input Connector

IEC320 C14 -

Output Connection

56VDC RJ45 Pins 3&6
56VRTN RJ45 Pins 1&2

Dimensional Diagram Unit: mm

