

## Description

- Versatile design allows multiple output variations
- Forward topology, 300kHz switching frequency
- Input range from 29.5-60V
- 1500Vac isolation between primary and secondary
- Power 26watts
- Low leakage inductance

## Applications

- For IEEE 802.3af-compliant Power over Ethernet applications
- UPS, VoiP Phone, Wireless LAN Access point, Bluetooth Access point, Network Camera, Building Access Systems
- Retail Point-of-information systems
- Vending/Gaming Machines

### **Environmental Data**

- Storage temperature range: -40°C to +125°C
- Operating ambient temperature range: -40°C to +85°C (range is application specific)
- Solder reflow temperature: +260°C max. for 10 seconds maximum



## Packaging

• Packaging information: 115 parts per 13" reel

(3) Leakage Inductance 300kHz, 0.01Vrms, 0.0Adc

|                 |       |         |               |            |           | DCR/   | DCR/   | DCR/   | DCR/   | Leakage | Pri     |                               |
|-----------------|-------|---------|---------------|------------|-----------|--------|--------|--------|--------|---------|---------|-------------------------------|
|                 |       | Primary |               |            |           | Pri    | Sec    | Bias   | Sync   | Induct. | Current | Turns ratio pins Pri (2 - 4): |
|                 |       | Induct. |               |            |           | (ohms) | (ohms) | (ohms) | (ohms) | (uh)    | Pk      | V1 (12 - 10): V2 (11 - 9):    |
| Part Number     | Watts | (uH)    | Output        | Bias       | Sync      | max    | max    | max    | max    | typ.    | (Adc)   | Bias (1 - 6): Sync (7 - 8)    |
| PoE26W3.3VS5-R  | 26    | 160     | (2)x3.3V@4.0A | 10.0V@0.1A | 5V@0.1A   | 0.100  | 0.025  | 0.90   | 0.42   | 1.0     | 2.6     | 1:0.29:0.29:0.83:0.42 +/-2%   |
| PoE26W3.3VS10-R | 26    | 160     | (2)x3.3V@4.0A | 10.0V@0.1A | 10V@0.1A  | 0.100  | 0.025  | 0.90   | 0.90   | 1.0     | 2.6     | 1:0.29:0.29:0.83:0.83 +/-2%   |
| PoE26W5V-R      | 26    | 160     | (2)x5.0V@2.6A | 10.0V@0.1A | 5.0V@0.1A | 0.100  | 0.050  | 0.90   | 0.42   | 1.0     | 2.6     | 1:0.42:0.42:0.83:0.42 +/-2%   |

RoHS 2002/95/EC

(1) Test parameters: 100kHz, 0.100Vrms, 0.0Adc

(2) DCR limits maximum @ 20°C

## **Mechanical Diagram**



#### DIMENSIONS

| Γ | Α    | В    | С    | D    | E    | F    | G    | н    | I     |      |      | L    | М    |     |      |
|---|------|------|------|------|------|------|------|------|-------|------|------|------|------|-----|------|
|   | mm    | J    | K    | mm   | mm   | N   | 0    |
| L | max. | ref. | max. | ref. | max. | ref. | ref. | ref. | ref.  | mm   | mm   | ref. | max. | mm  | mm   |
|   | 21.5 | 22.0 | 28.5 | 0.7  | 10.8 | 2.95 | 0.1  | 0.4  | 17.25 | 2.25 | 3.15 | 23.2 | 29.5 | 3.0 | 0.75 |

1) Tolerances A - H are ± 0.25mm unless specified otherwise.

2) Tolerances I - O are ± 0.10mm unless specified otherwise

2) All soldering surfaces are coplaner to within  $\pm 0.102$ mm.



## Power Over Ethernet (PoE)/PD Configurable Transformer



# **COOPER** Bussmann

## Power Over Ethernet (PoE)/PD Configurable Transformer

## **Packaging Information**





#### Data Sheet 4081 0909 Visit us on the Web at www.cooperbussmann.com

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ic 1225 Broken Sound Pkwy. Suite F Boca Raton, FL 33487

Tel: +1-561-998-4100 Toll Free: +1-888-414-2645 Fax: +1-561-241-6640

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