## Description

- Versatile design allows multiple output variations
- Forward topology, 300 kHz switching frequency
- Input range from 29.5-60V
- 1500 Vac 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: $-40^{\circ} \mathrm{C}$ to $+125^{\circ} \mathrm{C}$
- Operating ambient temperature range: $-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ (range is application specific)
- Solder reflow temperature: $+260^{\circ} \mathrm{C}$ max. for 10 seconds maximum

| Part Number | Watts | Primary Induct. (uH) | Output | Bias | Sync | $\begin{gathered} \hline \text { DCR/ } \\ \text { Pri } \\ \text { (ohms) } \\ \text { max } \\ \hline \end{gathered}$ | DCR/ Sec (ohms) max | DCR/ Bias (ohms) max | DCR/ Sync (ohms) | Leakage Induct. (uh) typ. | Pri Current <br> Current Pk <br> (Adc) | $\begin{aligned} & \text { Turns ratio pins Pri (2-4): } \\ & \text { V1 (12-10): V2 }(11-9) \text { : } \\ & \text { Bias (1-6): Sync (7-8) } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 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\% |

(1) Test parameters: $100 \mathrm{kHz}, 0.100 \mathrm{Vrms}, 0.0 \mathrm{Adc}$
(3) Leakage Inductance $300 \mathrm{kHz}, 0.01 \mathrm{Vrms}, 0.0 \mathrm{Adc}$
(2) DCR limits maximum @ $20^{\circ} \mathrm{C}$

## Packaging

- Packaging information: 115 parts per 13" reel


## Mechanical Diagram



DIMENSIONS

|  | $\mathbf{A}$ <br> $\mathbf{m m}$ <br> max. | $\mathbf{B}$ <br> $\mathbf{m m}$ <br> ref. | $\mathbf{C}$ <br> $\mathbf{m m}$ <br> max. | $\mathbf{D}$ <br> $\mathbf{m m}$ <br> ref. | $\mathbf{E}$ <br> $\mathbf{m m}$ <br> $\mathbf{m a x}$. | $\mathbf{F}$ <br> $\mathbf{m m}$ <br> ref. | $\mathbf{G}$ <br> $\mathbf{m m}$ <br> ref. | $\mathbf{H}$ <br> $\mathbf{m m}$ <br> ref. | $\mathbf{I}$ <br> $\mathbf{m m}$ <br> ref. | $\mathbf{J}$ <br> $\mathbf{m m}$ | $\mathbf{K}$ <br> $\mathbf{m m}$ | $\mathbf{m m}$ <br> ref. | $\mathbf{M}$ <br> $\mathbf{m a x}$ <br> $\mathbf{m a x}$. | $\mathbf{N}$ <br> $\mathbf{m m}$ | $\mathbf{0}$ <br> $\mathbf{m m}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 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 |

[^0]
## Packaging Information



## COOPER Bussmann

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[^0]:    1) Tolerances $\mathrm{A}-\mathrm{H}$ are $\pm 0.25 \mathrm{~mm}$ unless specified otherwise.
    2) Tolerances I-O are $\pm 0.10 \mathrm{~mm}$ unless specified otherwise
    3) All soldering surfaces are coplaner to within $\pm 0.102 \mathrm{~mm}$.
