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# Power Over Ethernet (PoE)/PD Configurable Transformer

#### **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

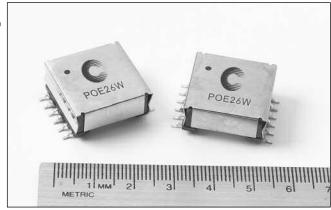
### **Applications**

- 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





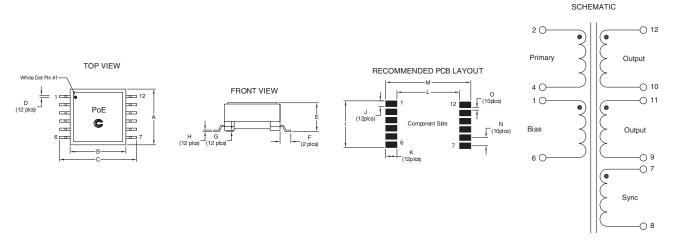
#### **Packaging**

• Packaging information: 115 parts per 13" reel

						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%	

<sup>(1)</sup> Test parameters: 100kHz, 0.100Vrms, 0.0Adc

#### **Mechanical Diagram**



## **DIMENSIONS**

	Α	В	С	D	Е	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

<sup>1)</sup> Tolerances A - H are  $\pm$  0.25mm unless specified otherwise.

<sup>(2)</sup> DCR limits maximum @ 20°C

<sup>(3)</sup> Leakage Inductance 300kHz, 0.01Vrms, 0.0Adc

<sup>2)</sup> Tolerances I - O are  $\pm$  0.10mm unless specified otherwise

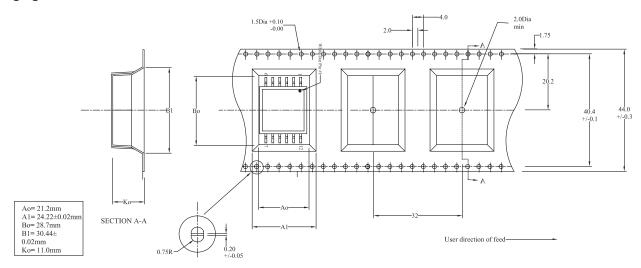
<sup>2)</sup> All soldering surfaces are coplaner to within ± 0.102mm.





# Power Over Ethernet (PoE)/PD Configurable Transformer

#### **Packaging Information**





Data Sheet 4081 0909

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