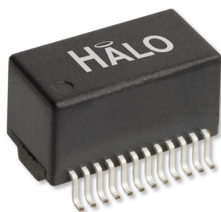


# Nano2.5G/5G Ethernet Transformers



Single Port 2.5/5G BASE-T Small Form Factor Isolation Modules



Nano  
2.5G

Nano  
5G

## Product Features:

- 2.5/5GBASE-T Miniature Package
- IEEE802.3bz/af/at/bt
- 4PPoE - 4 Pair Power over Ethernet
- Robust Patented Open Frame Construction
- 1500Vrms Hi-Pot
- UL/EN60950 recognized
- 100% Compliance Testing

US Patent Numbers:  
5,656,985 6,297,721 B1  
6,297,720 B1 6,320,489 B1  
6,344,785 B1 6,662,431 B1

Part Number	Data Rate	Total Power <sup>1</sup>	Current Per Pair	Temp. Range	Turns Ratio
TG2G-S13NYNLF	2.5G	30W	350mA	0 to +70°C	1CT:1CT
TG2G-E13NYNLF	2.5G	30W	350mA	-40 to +85°C	1CT:1CT
TG2G-HPE3NYNLF	2.5G	60W	600mA	-40 to +85°C	1CT:1CT
TG5G-E11NYNLF <sup>2</sup>	5G	30W	350mA	-40 to +85°C	1CT:1CT

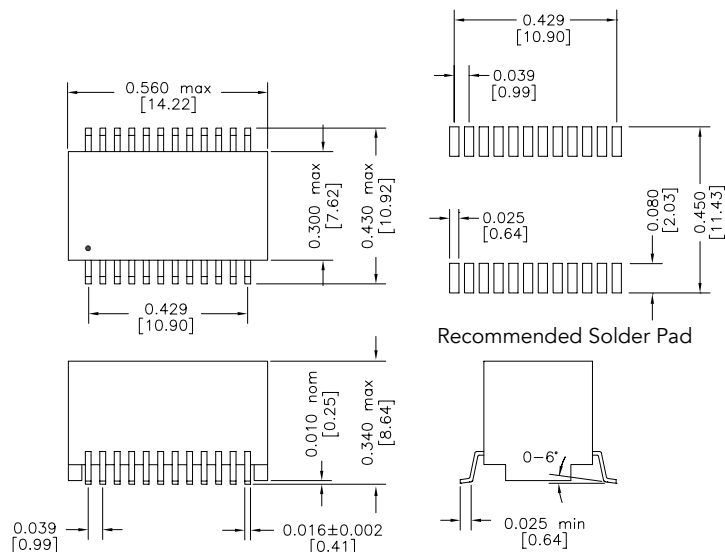
Notes:

<sup>1</sup>Power rating reduced to half when using only two pairs for power as in 802.3af/802.3at applications.

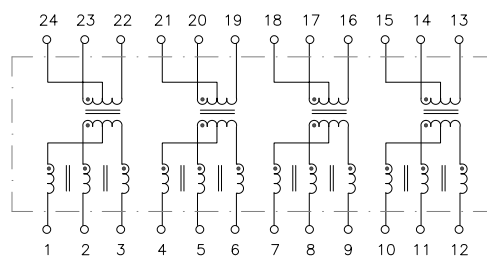
<sup>2</sup>The TG5G part utilizes a 2-wire choke on the PHY side.

Please contact the factory or representative for individual datasheets or additional information.

## Package



## Circuit



\*Pins 13-24 located on line side

Dimensions: inch [mm]  
Co-Planarity: 0.004 [0.10]



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