

# 25/40 Gigabit Ethernet Transformers

25Gig and 40Gig Ethernet Isolation Modules



HALO® Electronics is pleased to announce the first ever commercially available 25G/40GASE-T Ethernet transformer for ultra high-speed communications over copper cable.



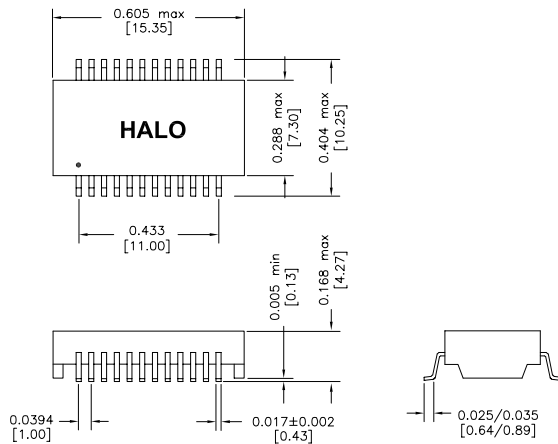
Patent Pending

This transformer meets the IEEE802.3bq standards for Return Loss and Common mode to Differential mode Conversion Loss requirements.

This UL recognized product is available for evaluation under non-disclosure agreement (NDA) effective immediately.

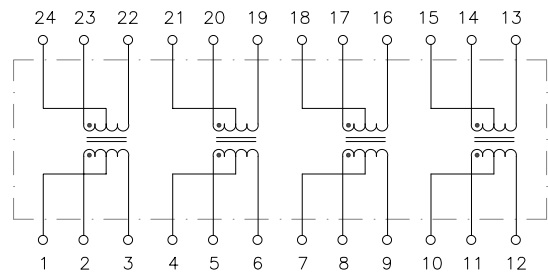
Part Number	Application	Isolation	Operating Temperature
TG40G-S10L24LF	25/40GBASE-T	1500Vrms	0/+85°C

## Mechanical



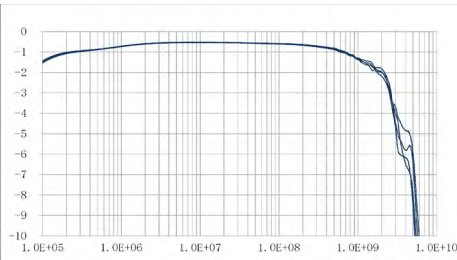
DIMENSIONS: Inch [mm]  
 CO-PLANARITY: 0.004 [0.10]  
 TOLERANCES: ±0.005 INCH IF NOT SPECIFIED

## Circuit

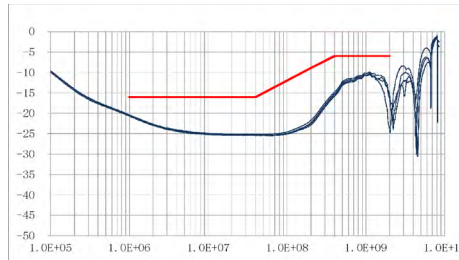


## Performance Graphs

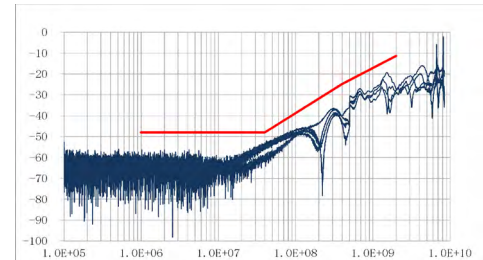
Insertion Loss



Return Loss



CDMR



© Copyright 2021 - 2024 HALO Electronics, Inc. All rights reserved.

Revised 07/2024. Download the latest version at [www.haloelectronics.com/pdf/discrete-40gigabit-transformer.pdf](http://www.haloelectronics.com/pdf/discrete-40gigabit-transformer.pdf)