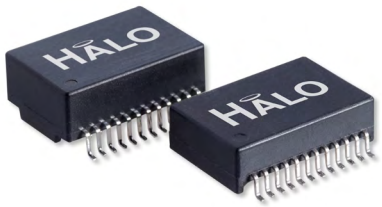
10GBASE-T Transformer

SMD 10GBASE-T 24-Pin Single Port Isolation Modules

HALO ELECTRONICS, INC.



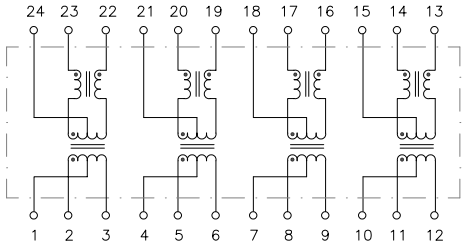
Product Features:

- 10GBASE-T Ethernet Transformer/CMR Choke
- IEEE802.3an/af/at/bt Compliant Options
- UL62368 Recognized
- 100% Electrical Testing
- 1500Vrms Hi-Pot
- Patented Open Frame Construction

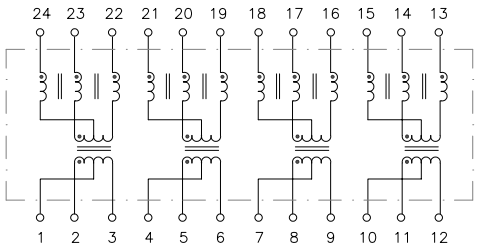
Part Number	Data Rate	Circuit	Total Power[1]	Current Per Pair	Operating Temp	Package	Max Height inch [mm]
TG10G-S100NJLF	10G	A	-	-	0 to 70°C	NJ	0.250 [6.35]
TG10G-E100NZ5LF	10G	A	-	-	-40 to +85°C	NZ5	0.255 [6.48]
TG10G-S101NJLF	10G	B	-	-	0 to 70°C	NJ	0.250 [6.35]
TG10G-E101NZ5LF	10G	B	-	-	-40 to +85°C	NZ5	0.255 [6.48]
TG10G-S102NJLF	10G	C	-	-	0 to 70°C	NJ	0.250 [6.35]
TG10G-E102NZ5LF	10G	C	-	-	-40 to +85°C	NZ5	0.255 [6.48]
TG10G-RP02NJLF[2]	10G	C	30W	350mA	0 to 70°C	NJ	0.250 [6.35]
TG10G-S12NZ5LF	10G	C	30W	350mA	0 to 70°C	NZ5	0.255 [6.48]
TG10G-E12NZ5LF	10G	C	30W	350mA	-40 to +85°C	NZ5	0.255 [6.48]
TG10G-HP6NZ5LF	10G	C	60W	600mA	0 to 70°C	NZ5	0.255 [6.48]
TG10G-HPE6NZ5LF	10G	C	60W	600mA	-40 to +85°C	NZ5	0.255 [6.48]
TG10G-HP10NZ5LF	10G	C	90W	1A	0 to 70°C	NZ5	0.255 [6.48]
TG10G-HPE10NZ5LF	10G	C	90W	1A	-40 to +85°C	NZ5	0.255 [6.48]

Notes:
[1] Power rating reduced to half when using only two pairs for power as in 802.3af/802.3at applications.
[2] Can be used in -40 to +85°C for non-PoE applications.
· Please contact the factory or representative for individual datasheets or additional information.
· Footprint interchangeable 2.5G/5G parts available at: https://www.haloelectronics.com/pdf/discrete-single-2G5G.pdf

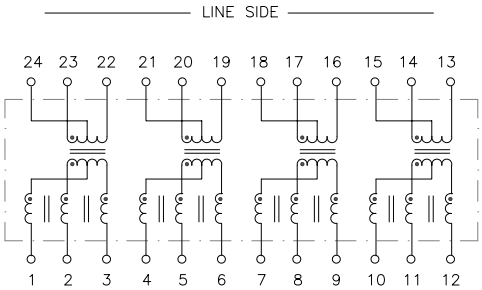
Circuit A



Circuit B

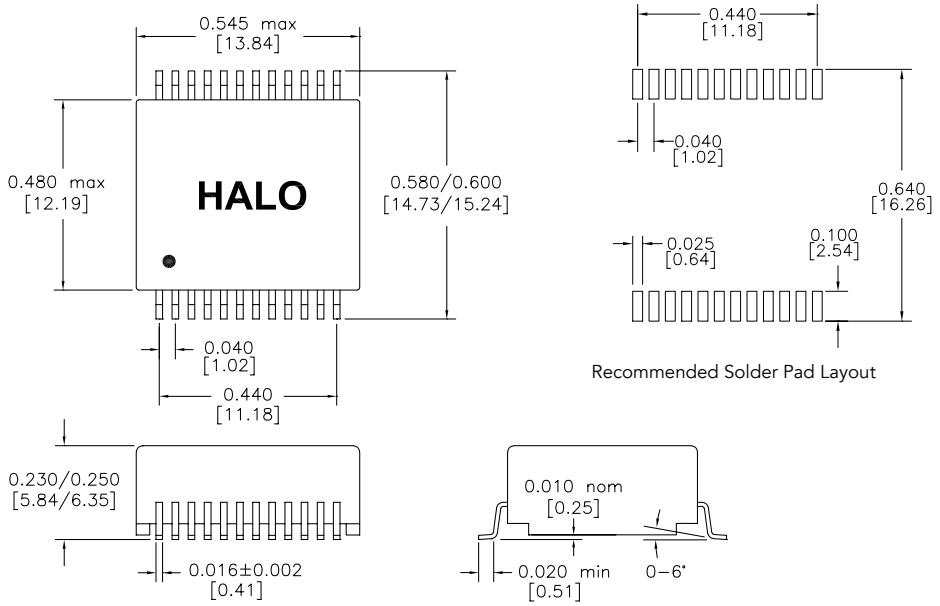


Circuit C

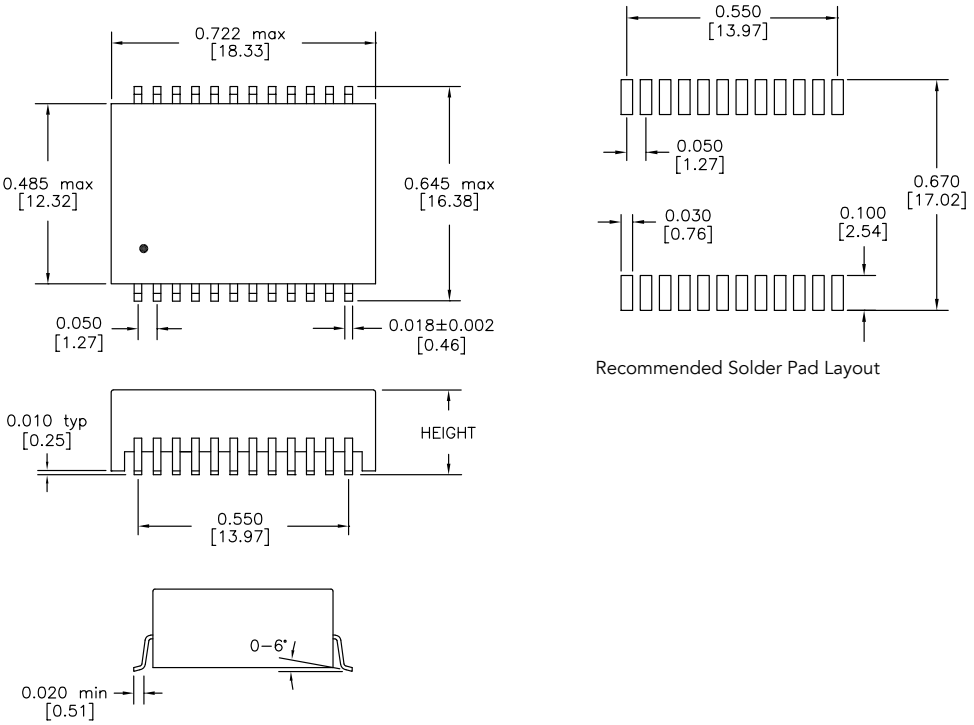


For additional information contact your local representative, or HALO's support staff at (650) 903-3800 or info@haloelectronics.com

Mechanical - NJ Package



Mechanical - NZ5 Package



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

HALO ELECTRONICS, INC.
Santa Clara, CA 95054
(650) 903-3800
www.haloelectronics.com

HALO® Electronics is a leading supplier of high quality communication magnetics including signal transformers, filters, CMR chokes, PoE power transformers, DC/DC isolation modules, and integrated Ethernet connectors. HALO's high quality and competitively priced leading edge technology solutions are manufactured in ISO9001 and ISO14001 factories.

© Copyright 2019 HALO Electronics, Inc. All rights reserved.
Revised 08/2023. Download the latest version at www.haloelectronics.com/pdf/discrete-10gbaset.pdf