10GBASE-T Transformer

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





Product Features:

- 10GBASE-T Ethernet Transformer/CMR Choke
- IEEE802.3an/af/at/bt Compliant Options
- 4PPoE 4 Pair Power over Ethernet Available
- UL/EN60950 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	А	-	-	0 to 70°C	NJ	0.250 [6.35]
TG10G-S101NJLF	10G	В	-	-	0 to 70°C	NJ	0.250 [6.35]
TG10G-S102NJLF	10G	С	-	-	0 to 70°C	NJ	0.250 [6.35]
TG10G-RP02NJLF ³	10G	С	30W	350mA	0 to 70°C	NJ	0.250 [6.35]
TG10G-S12NZ5LF	10G	С	30W	350mA	0 to 70°C	NZ5	0.255 [6.48]
TG10G-E12NZ5LF	10G	С	30W	350mA	-40 to +85°C	NZ5	0.255 [6.48]
TG10G-HP6NZ5LF	10G	С	60W	600mA	0 to 70°C	NZ5	0.255 [6.48]
TG10G-HPE6NZ5LF	10G	С	60W	600mA	-40 to +85°C	NZ5	0.255 [6.48]
TG10G-HP10NZ5LF	10G	С	90W	1A	0 to 70°C	NZ5	0.255 [6.48]
TG10G-HPE10NZ5LF	10G	С	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 The IEEE802.3bt standard has not been offically ratified.

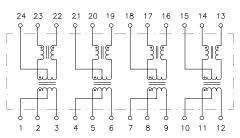
³Can be used in -40 to +85°C for non-PoE applications.

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

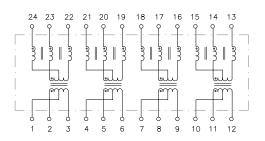
· Footprint interchangeable 2.5G/5G parts available at:

https://www.haloelectronics.com/pdf/discrete-single-2G5G.pdf

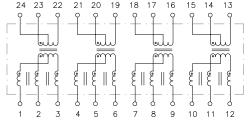








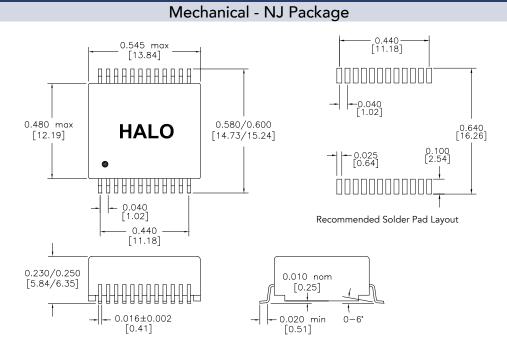




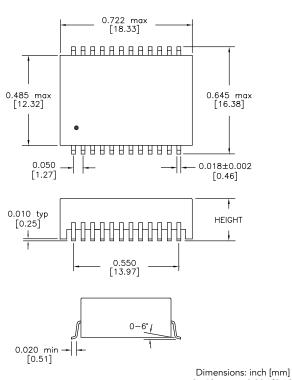
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For additional information contact your local representative, or HALO's support staff at (650) 903-3800 or info@haloelectronics.com

HALO 10GBASE-T Ethernet Transformers



Mechanical - NZ5 Package



0.550 [13.97] 0.050 [1.27] 0.670 [17.02] 0.100 [2.54] 0.030 [0.76]

Recommended Solder Pad Layout

Co-Planarity: 0.004 [0.10]

ELECTRONICS, INC 2880 Lakeside Drive #116 Santa Clara, CA 95054 (650) 903-3800 www.haloelectronics.com

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