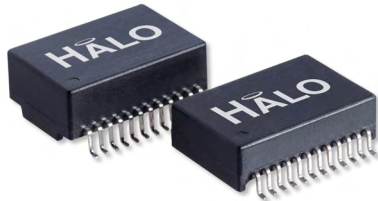


10GBASE-T Transformer

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



Product Features:

- 10GBASE-T Ethernet Transformer/CMR Choke
- IEEE802.3an/af/at/bt Compliant Options
- 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:

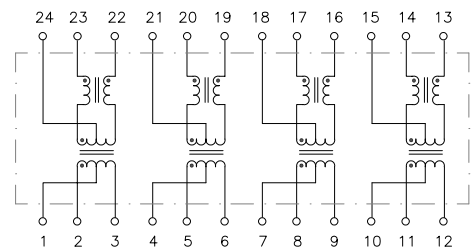
¹ Power rating reduced to half when using only two pairs for power as in 802.3af/802.3at applications.

² Can be used in -40 to +85°C for non-PoE applications.

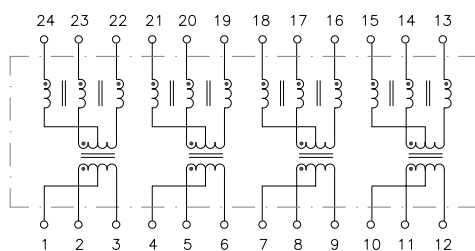
· Please contact the factory or representative for individual datasheets or additional information.

· Footprint interchangeable 2.5G/5G parts available at:
<https://www.haloelectronics.com/pdf/discrete-single-2G5G.pdf>

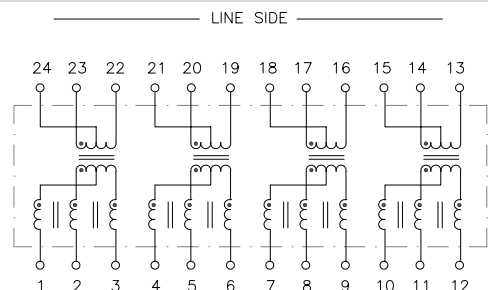
Circuit A



Circuit B



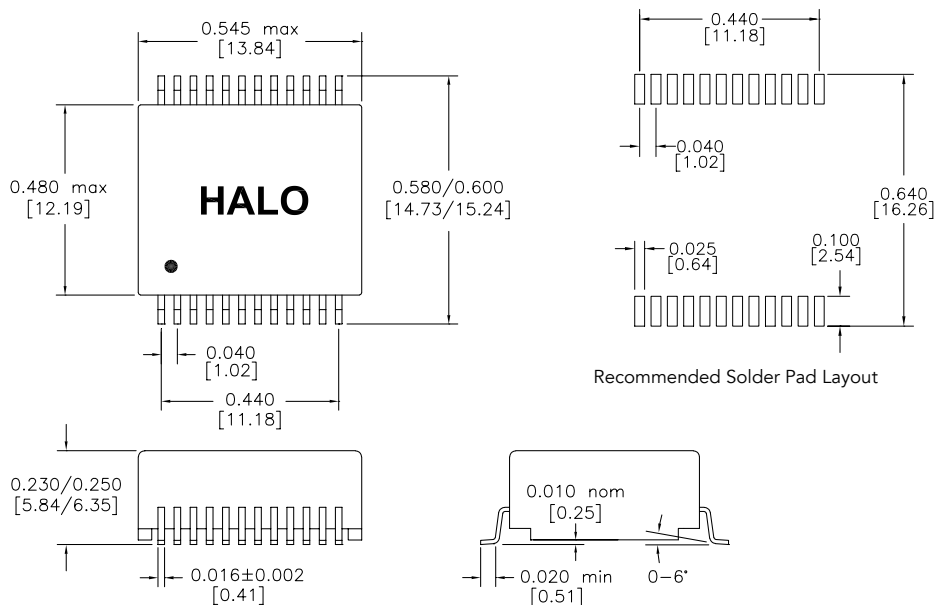
Circuit C



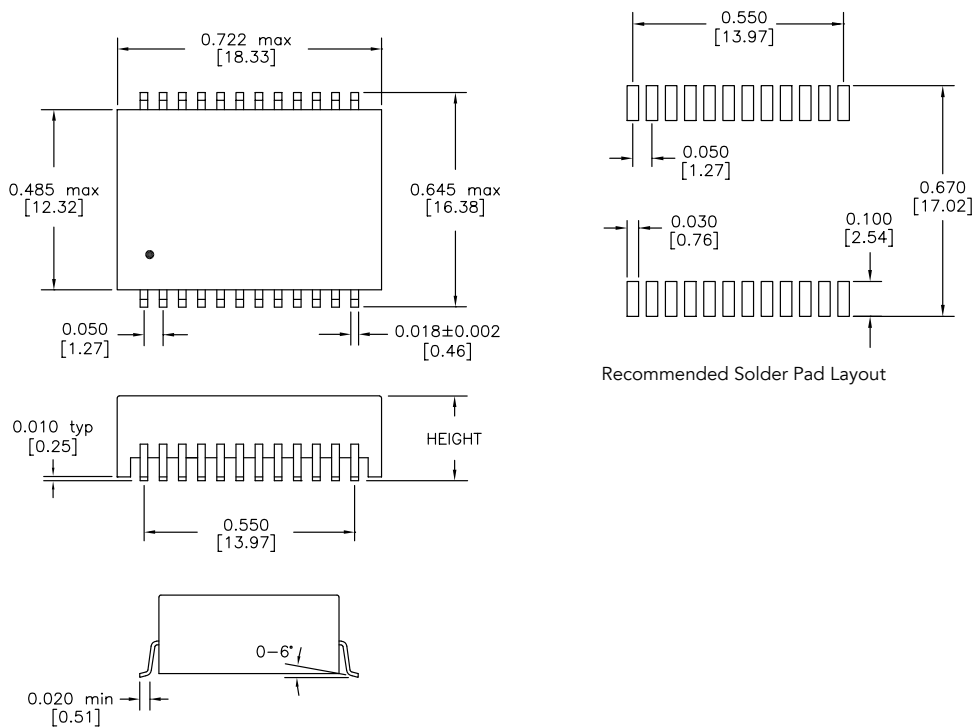
For additional information contact your [local representative](#), or HALO's support staff at (650) 903-3800 or info@haloelectronics.com

HALO 10GBASE-T Ethernet Transformers

Mechanical - NJ Package



Mechanical - NZ5 Package



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

HALO
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Santa Clara, CA 95054

(650) 903-3800

www.halo-electronics.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.

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