

Genesus™ Ethernet Transformers

Single Port Gigabit Isolation Modules Designed for Microsemi PHYs



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

Product Features:

- Designed exclusively for Microsemi™ SimpliPHY™, IntelliSec™, and VeriTime™ PHYs
- Recommended by Microsemi
- Robust Patented Open Frame Construction
- 1500Vrms Hi-Pot
- UL/EN60950 recognized
- 100% Compliance Testing

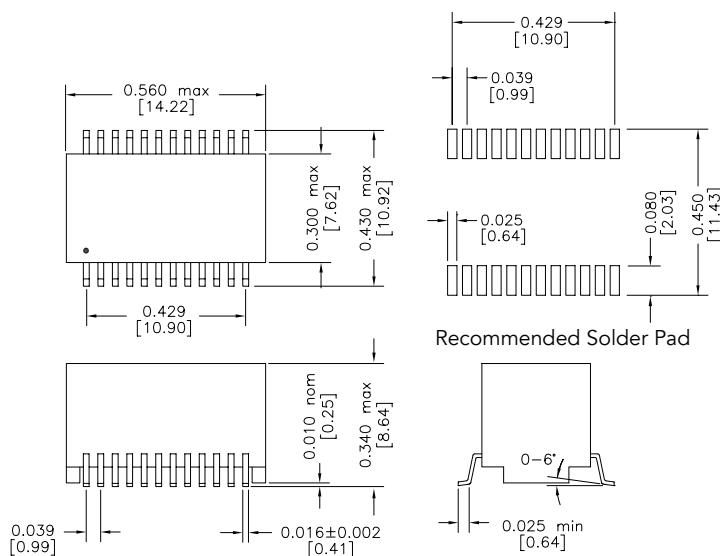
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Part Number	Circuit	Data Rate	PoE	Temp. Range	Turns Ratio	OCL (min)	CMR
TG111-MSC13LF	A	10/100/1000	802.3af	0 to +70°C	1CT:1CT	350µH	-40dB typ
TG111-MSCE13LF	A	10/100/1000	802.3af	-40 to +85°C	1CT:1CT	350µH	-40dB typ
TG111-MSCHPLF	B	10/100/1000	802.3at	-40 to +85°C	1CT:1CT	350µH	-40dB typ

Notes:

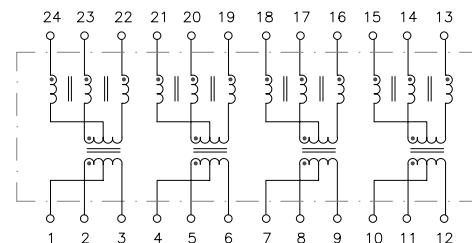
1. Specific datasheets available

Package

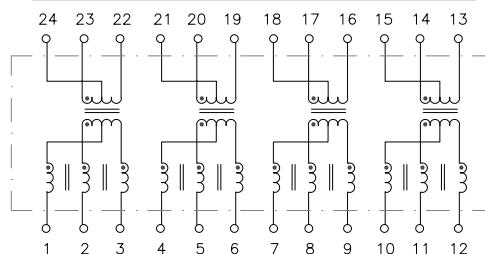


Dimensions: inch [mm]
Co-Planarity: 0.004 [0.10]

Circuit A



Circuit B*



*Pins 13-24 located on line side



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

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[TG111-MSCE13LF](#) [TG111-MSC13LF](#) [TG111-MSCHPLF](#) [TG111-MSCHPLFTR](#)