Genesμs™ Ethernet Transformers

Single Port Gigabit Isolation Modules Designed for Microsemi PHYs

HALO ELECTRONICS, INC.

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

Microsemi™, SimpliPHY™, Intellisec™, and VeriTime™ are registered trademarks of the Microsemi Corporation

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

HALO ELECTRONICS, INC.
2880 Lakeside Drive #116
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 converters, and integrated Ethernet connectors. HALO's high quality leading edge technology solutions are manufactured in ISO9001 and ISO14001 factories.

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