Genesµs™ 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:

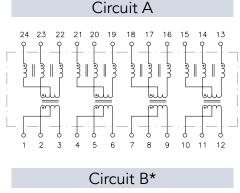
- Designed exclusively for Microsemi[™]
 SimpliPHY[™], Intellisec[™], and VeriTime[™] PHYs
- Recommended by Microsemi
- Robust Patented Open Frame Construction
- 1500Vrms Hi-Pot
- UL/EN60950 recognized
- 100% Compliance Testing

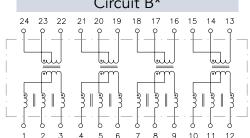
 $\underline{\mathsf{MicrosemiT^M}}, \mathsf{SimpliPHY^{TM}}, \mathsf{Intellisec^{TM}}, \mathsf{and}\, \mathsf{VeriTime^{TM}}\, \mathsf{are}\, \mathsf{registered}\, \mathsf{trademarks}\, \mathsf{of}\, \mathsf{the}\, \mathsf{Microsemi}\, \mathsf{Corporation}, \mathsf{MicrosemiT^{TM}}, \mathsf{MicrosemiT^{TM$

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

Notes:

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





*Pins 13-24 located on line side



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.

^{1.} Specific datasheets available