

HALO 32 Pin SMD Gigabit Isolation Modules

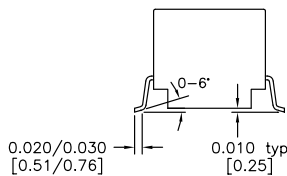
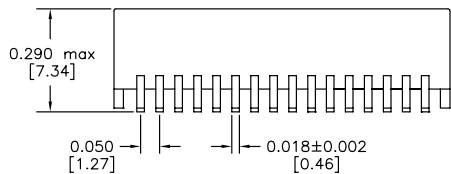
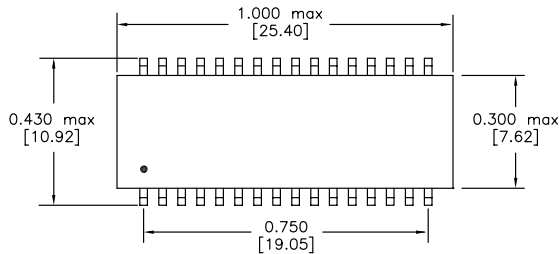
ELECTRONICS, INC.

HALO Electronics is pleased to present this standard series of 32 pin high performance Gigabit Ethernet Isolation Modules. The narrow dimension of these parts can be helpful in space constrained applications. This series has also been optimized to provide exceptional return loss and insertion loss performance. UL/EN60950 recognized and IEEE802.3 compliant.



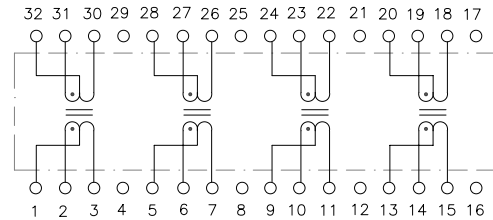
32 Pin SMD Gigabit Isolation Modules

NU Package

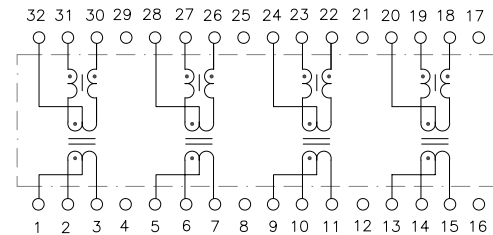


DIMENSIONS: Inch [mm]
CO-PLANARITY: 0.004 [0.10]

Schematic A



Schematic B



Electrical Specifications @ 25°C

Isolation Voltage:	1,500 Vrms
Turns Ratio:	1CT:1CT +/-2%
DCR (PRI)	0.9 Ω max
OCL (100KHz, 0.1Vrms, 8mA):	350 μH min. (over temp. range)
CMR (0.1 – 100MHz)*:	-40dB typ
Crosstalk (1-100MHz):	-40dB typ

Patented Construction

US Pat Nbrs:	5,656,985	6,297,721 B1
	6,297,720 B1	6,320,489 B1
	6,344,785 B1	6,662,431 B1

Part Number	Circuit Schematic	Insertion Loss (1-100MHz)	Return Loss (min)Temp				Range
			1-40MHz	60MHz	80MHz	100MHz	
TG1G-S040NURL	A	-1.1dB max	-18dB	-14.5dB	-12dB	-10dB	0 to +70C
TG1G-S041NURL	B	-1.1dB max	-18dB	-14.5dB	-12dB	-10dB	0 to +70C
TG1G-E040NURL	A	-1.1dB max	-18dB	-14.5dB	-12dB	-10dB	-40 to +85C
TG1G-E041NURL	B	-1.1dB max	-18dB	-14.5dB	-12dB	-10dB	-40 to +85C

* CMR not applicable for Circuit A