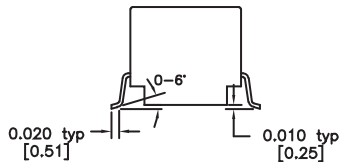
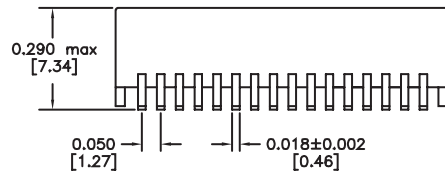
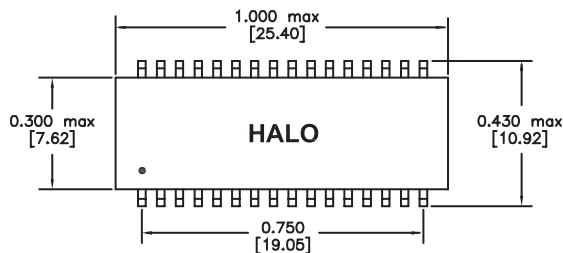


HALO Electronics is pleased to present this standard series of low cost, high performance Gigabit Ethernet Isolation Modules. These devices have been designed specifically for the Cicada™ family of SimpliPhy™ products. Optimized to provide enhanced insertion loss and return loss performance when used with Cicada™ 10/100/1000 devices.



NU Package

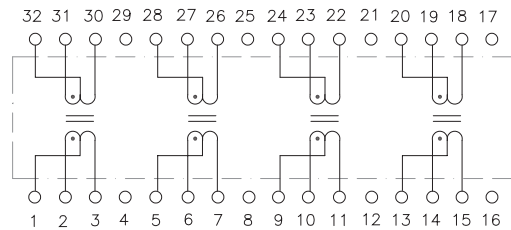


DIMENSIONS : Inch[mm]
CO-PLANARITY : 0.004[0.10]

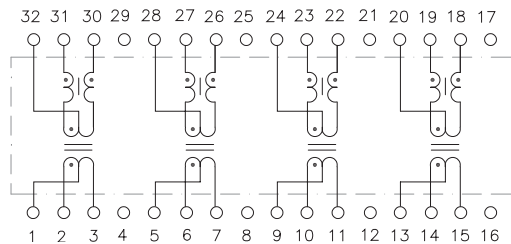
Patented Construction

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

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

	Circuit	Insertion Loss	Return Loss (min)Temp				
Part Number	Schematic	(1-100MHz)	1-40MHz	60MHz	80MHz	100MHz	Range
TG1G-S040NU	A	-1.1dB max	-18dB	-14.5dB	-12dB	-10dB	0 - 70C
TG1G-S041NU	B	-1.1dB max	-18dB	-14.5dB	-12dB	-10dB	0 - 70C
TG1G-E040NU	A	-1.1dB max	-18dB	-14.5dB	-12dB	-10dB	-40 to+85C
TG1G-E041NU	B	-1.1dB max	-18dB	-14.5dB	-12dB	-10dB	-40 to+85C

* CMR not applicable for Circuit A