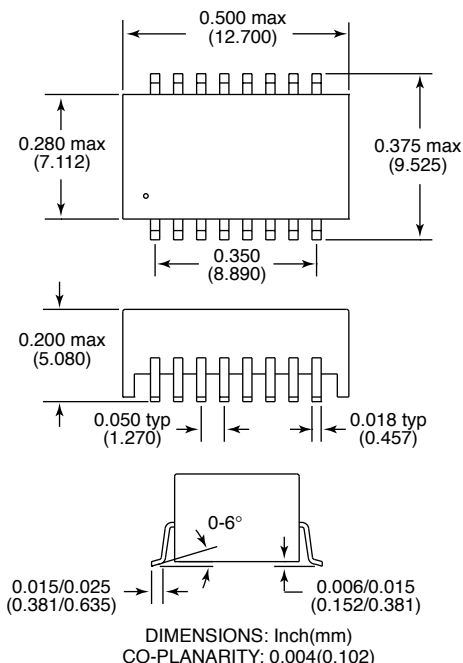


HALO Electronics has developed this standard series of 16 pin SOIC 10/100 Single Channel Isolation Modules to specifically address the Isolation, Insertion Loss and return Loss requirements of IEEE 802.3u for Fast Ethernet. Isolation Modules are available for most LAN IC manufacturer's products.



SMD Package



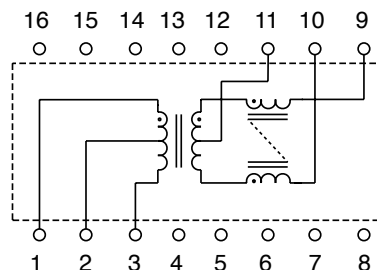
Patented Construction

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

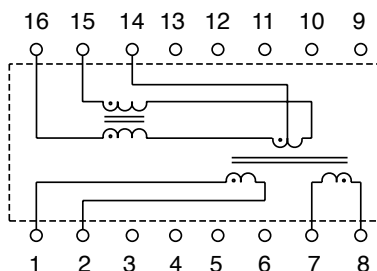
Electrical Specifications @ 25°C

Isolation Voltage: 1,500 Vrms
OCL (100KHz, 0.1Vrms, 8mA): 350 μ H Min.
Leakage Inductance (1MHz): 0.4 μ H Max.
Cw/w: 20 pF Typ.
DCR: 0.9 Ω Max.
Rise Time: 2.5 nS Typ.
CMR (0.1-100MHz): -40 dB Typ.

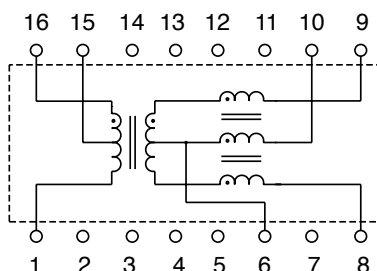
Schematic A



Schematic B



Schematic C



Part Number	Turns Ratio	Application	Schematic
TG110-S041N1RL	2CT:1CT	Transmit	Circuit A
TG110-S042N1RL	1:1:1CT	Receive	Circuit B
TG110-S050N1RL	1CT:1CT	Transmit / Receive	Circuit C
TG110-S055N1RL	$\sqrt{2}$ CT:1CT	Transmit	Circuit C
TG110-S057N1RL	1.25CT:1CT	Transmit	Circuit C

Note: Please contact the factory for detailed data sheets.