

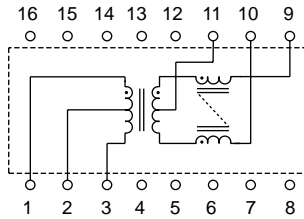


SOIC 10/100 Isolation Modules

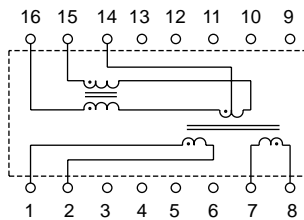
HALO
ELECTRONICS, INC.

HALO Electronics has developed this standard series of 16 pin SOIC 10/100 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. To select the correct Isolation Module please refer to the HALO Electronics 10/100 Selector Guide.

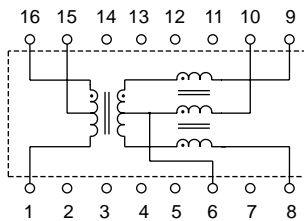
Schematic A



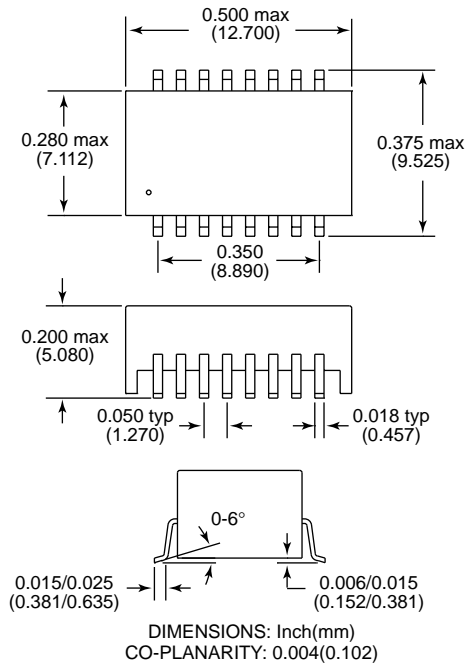
Schematic B



Schematic C



SMD Package



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.

Part Number	Turns Ratio	Application	Schematic
TG110-S041N1	2CT:1CT	Transmit Circuit	A
TG110-S042N1	1:1:1CT	Receive Circuit	B
TG110-S050N1	1CT:1CT	Transmit / Receive Circuits	C
TG110-S055N1	$\sqrt{2}$ CT:1CT	Transmit Circuit	C
TG110-S057N1	1.25CT:1CT	Transmit Circuit	C

Note: Please contact the factory for detailed data sheets.