

HALO PCMCIA 10/100 Isolation Modules

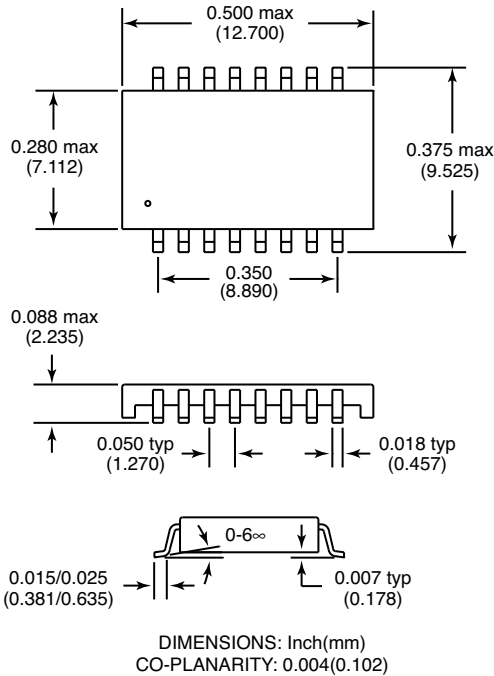
ELECTRONICS, INC.

HALO Electronics has developed this standard series of PCMCIA 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.

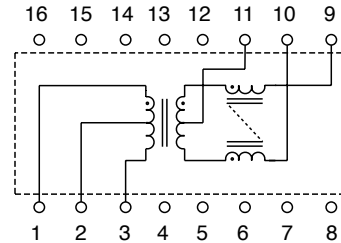


PCMCIA 10/100 Isolation Modules

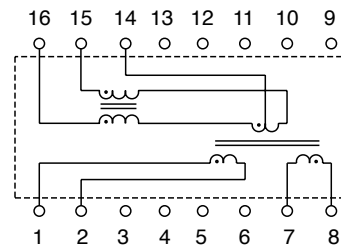
PCMCIA Package



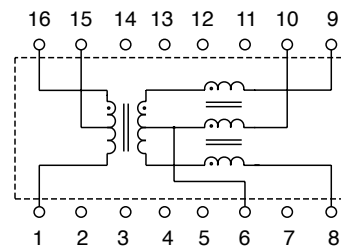
Schematic A



Schematic B



Schematic C



Electrical Specifications @ 25°C

Isolation Voltage:	1,500 Vrms
OCL (100KHz, 0.1Vrms):	350 μH Min.
Leakage Inductance (1MHz):	0.4μH Max.
Cw/w:	20pF Typ.
DCR:	0.9 Ω Max.
Rise Time:	2.5 nS Typ.
CMR (0.1-100MHz):	-35 dB 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	Turns Ratio	Application	Schematic
TG110-S041P1RL	2CT:1CT	Transmit Circuit	A
TG110-S042P1RL	1:1:1CT	Receive Circuit	B
TG110-S050P1RL	1CT:1CT	Transmit / Receive Circuits	C
TG110-S055P1RL	√2CT:1CT	Transmit Circuit	C
TG110-S057P1RL	1.25CT:1CT	Transmit Circuit	C

Note: Please contact the factory for detailed data sheets.