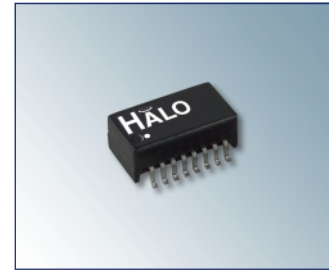
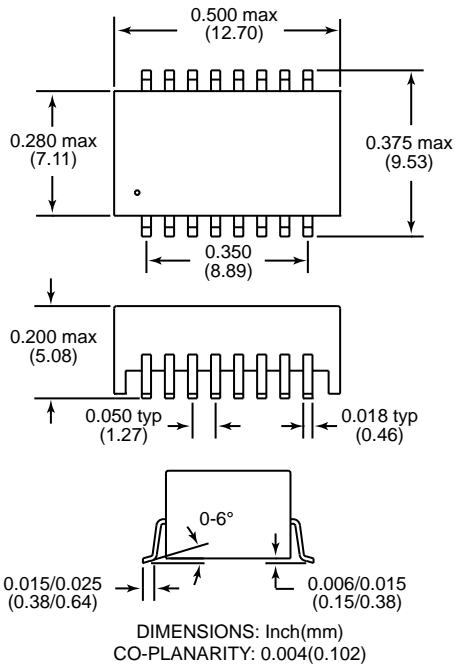


# HALO T3/DS3/E3/STS-1 ELECTRONICS, INC. Dual Isolation Modules

HALO Electronics has developed this standard series of dual transformer Isolation Modules to meet the return loss requirements of G.703 for T3, DS3, E3 and STS-1 applications. UL1950, IEC950 and EN60950 recognized. Non-standard devices are also available. Please contact your local [HALO Representative](#).



## N1 Package



### Patented Construction

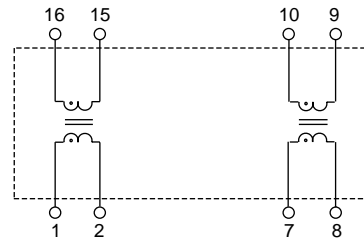
US Pat Nbrs: 5,656,985  
6,297,721 B1  
6,297,720 B1  
6,320,489 B1  
6,344,785 B1



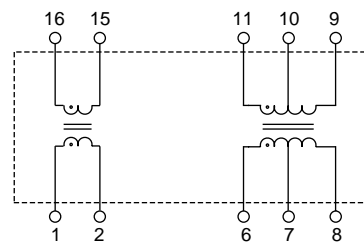
RoHS compliant versions are available.

Specify RoHS compliant product by adding the suffix "RL".

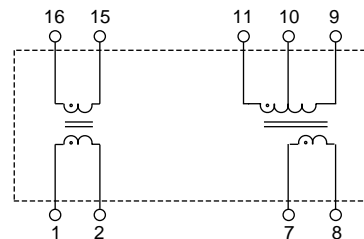
## Schematic A



## Schematic B



## Schematic C



Electrical Specifications @ 25°C

Isolation: 1,500 Vrms  
Crosstalk: -60dB Typ.

Part Number	Schematic	Pri Pins	Turns Ratio $\pm 2\%$ PRI : SEC	PRI OCL ( $\mu\text{H}$ min)	LL ( $\mu\text{H}$ max)
TG01-0406N1	A	1-2 & 7-8	1:1 & 1:1	40 & 40	0.10
TG20-S001N1	A	1-2 & 7-8	1:1 & 1:1.5	40 & 40	0.12
TG57-0406N1	B	1-2 & 6-8	1:1 & 1CT:1CT	40 & 40	0.10
TG74-0406N1	C	1-2 & 7-8	1:1 & 1:2CT	40 & 19	0.10
<b>Extended Temp Range (-40C to +85C)</b>					
TG01-0456N1	A	1-2 & 7-8	1:1 & 1:1	45 & 45	0.12
TG57-0456N1	B	1-2 & 6-8	1:1 & 1CT:1CT	45 & 45	0.12
TG74-0456N1	C	1-2 & 7-8	1:1 & 1:2CT	45 & 35	0.12