

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

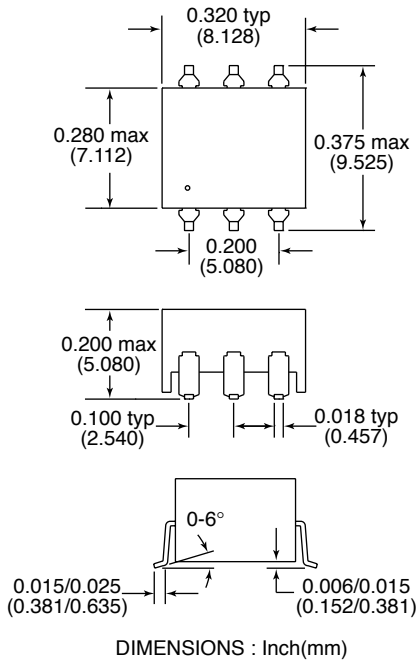
HALO Electronics has developed this standard series of Isolation Modules to meet the return loss requirements of G.703 for T3, DS3, E3 and STS-1 applications. UL60950 and EN60950 recognized. Non-standard devices are also available. Please contact your local HALO Representative.



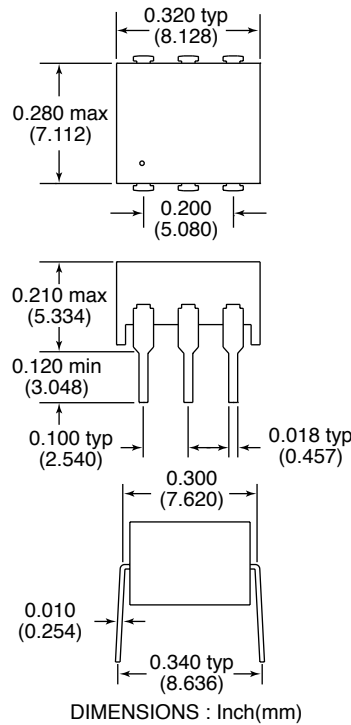
T3/DS3/E3/STS-1  
Single Isolation Modules

## Mechanical Packages

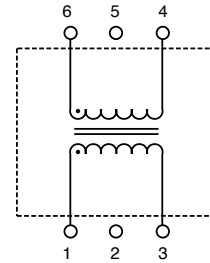
### SMD



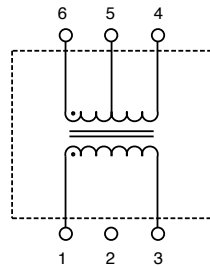
### DIP



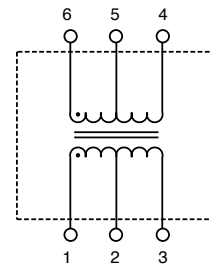
### Schematic A



### Schematic B



### Schematic C



### 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: 1,500 Vrms

Part Number		Schematic	Pri Pins	Turns Ratio ±2%	PRI OCL (μH min)	LL (μH max)
SMD	DIP					
TG01-0406NSRL	TD01-0406NERL	A	1-3	1:1	40	0.10
TG04-0406NSRL	TD04-0406NERL	C	1-3	1CT:1CT	40	0.10
TG07-0206NSRL	TD07-0206NERL	B	1-3	1:2CT	19	0.06
TG23-0206NSRL	TD23-0206NERL	B	1-3	1:2.42CT	19	0.08
<b>Extended Temp Range (-40C to +85C)</b>						
TG01-0456NSRL	TD01-0456NERL	A	1-3	1:1	45	0.12
TG07-0356NSRL	TD07-0356NERL	B	1-3	1:2CT	35	0.12
TG23-0356NSRL	TD23-0356NERL	B	1-3	1:2.42CT	35	0.12