

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

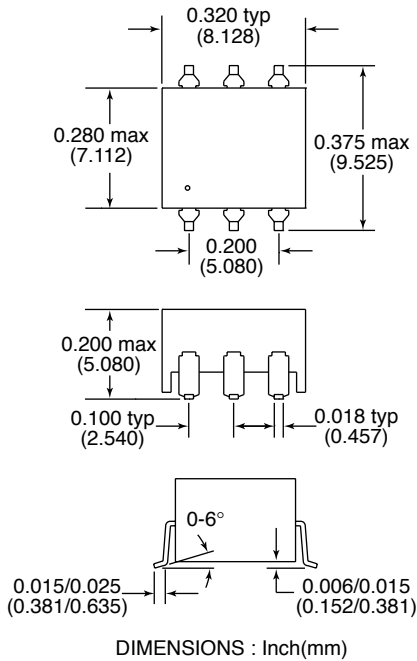
HALO Electronics has developed this standard series of Isolation Modules to meet the return loss requirements of G.703 for T3, DS3, E3 and STS-1 applications. UL60950 and EN60950 recognized. Non-standard devices are also available. Please contact your local HALO Representative.



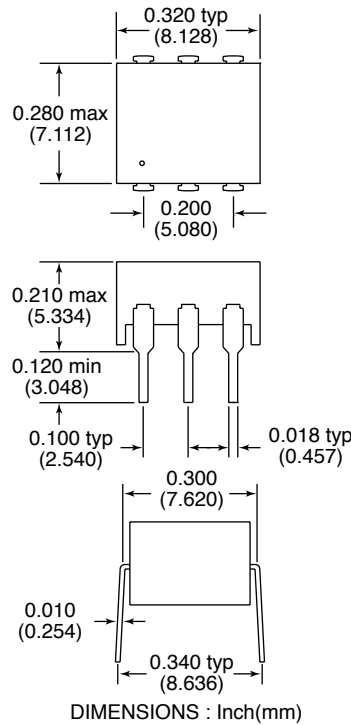
T3/DS3/E3/STS-1
Single Isolation Modules

Mechanical Packages

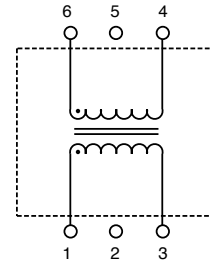
SMD



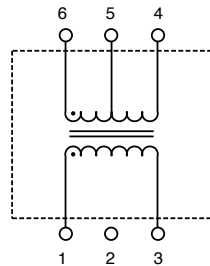
DIP



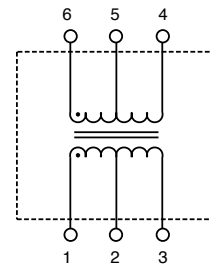
Schematic A



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 |
| Extended Temp Range (-40C to +85C) | | | | | | |
| 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 |