

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

SMD Single Line



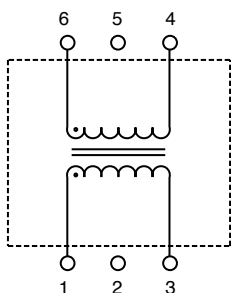
## Product Features:

- This standard series of Isolation Modules to meet the return loss requirements of G.703 for T3, DS3, E3 and STS-1 applications.
- UL/EN60950 recognized.
- Non-standard devices are also available. Please contact your local HALO Representative.
- Isolation: 1,500 Vrms

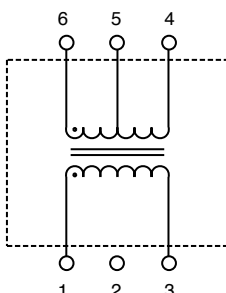
| Part Number   | Schematic | PRI Pins | Turns Ratio $\pm 2\%$<br>PRI : SEC | PRI OCL<br>( $\mu\text{H}$ Min.) | LL<br>( $\mu\text{H}$ Max.) | Temp.<br>Range |
|---------------|-----------|----------|------------------------------------|----------------------------------|-----------------------------|----------------|
| TG01-0406NSLF | A         | 1-3      | 1:1                                | 40                               | 0.12                        | 0 to +70°C     |
| TG04-0406NSLF | C         | 1-3      | 1CT:1CT                            | 40                               | 0.12                        | 0 to +70°C     |
| TG07-0206NSLF | B         | 1-3      | 1:2CT                              | 19                               | 0.06                        | 0 to +70°C     |
| TG23-0206NSLF | B         | 1-3      | 1:2.42CT                           | 19                               | 0.08                        | 0 to +70°C     |
| TG01-0456NSLF | A         | 1-3      | 1:1                                | 30                               | 0.12                        | -40 to +85°C   |
| TG04-0456NSLF | C         | 1-3      | 1CT:1CT                            | 45                               | 0.12                        | -40 to +85°C   |
| TG07-0356NSLF | B         | 1-3      | 1:2CT                              | 35                               | 0.12                        | -40 to +85°C   |
| TG23-0356NSLF | B         | 1-3      | 1:2.42CT                           | 35                               | 0.12                        | -40 to +85°C   |

Note: LF suffix is RoHS and PB-Free Compliant. RL suffix parts are RoHS compliant (exception 7a, expected to expire July 2016)

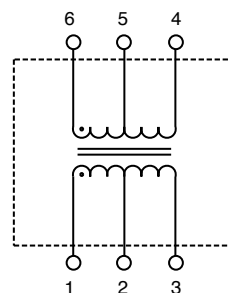
Schematic A



Schematic B

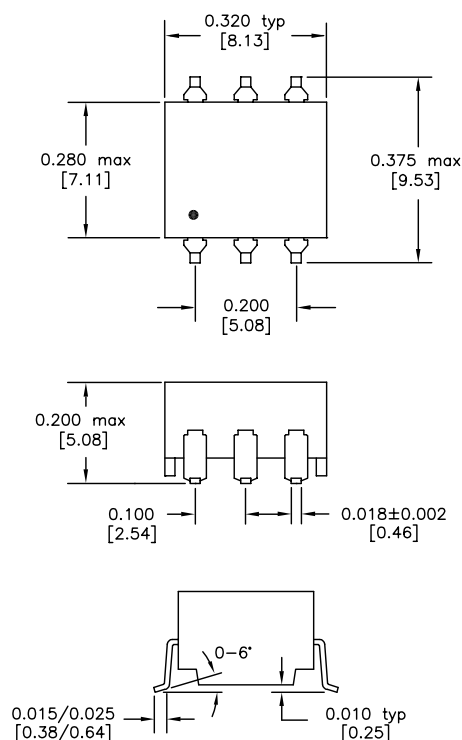


Schematic C



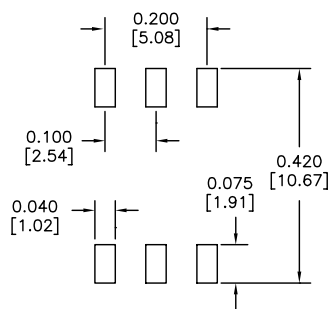
## T3/DS3/E3/STS-1 Isolation Modules

### SMD Package NS



Dimensions: inches [mm]

Co-Planarity: 0.004 [0.10]



Recommended  
Solder Pad Dimensions

US Patent Numbers for SMD Devices

5,656,985      6,297,721 B1  
6,297,720 B1      6,320,489 B1  
6,344,785 B1      6,662,431 B1



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