

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 $\pm 2\%$ PRI : SEC | PRI OCL (μH Min.) | LL (μH Max.) | Temp. 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



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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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