

Token Ring Isolation Modules

Single & Dual SMD Packages



Product Features:

- Standard series of SMD Isolation Modules to meet the high isolation and impedance matching requirements of IEEE 802.5 for Token Ring applications.
- Non-Standard designs are also available.
- UL60950 and EN60950 recognized
- Patented Open Frame Construction
- 100% Compliance Testing
- 1500Vrms Hi-Pot

| Part Number | Package Style | Turns Ratio $\pm 3\%$ | PRI OCL ($\mu\text{H typ}$) | PRI/SEC Cw/w (pF max) | Primary LL ($\mu\text{H max}$) | PRI DCR ($\Omega \text{ max}$) | Rise Time (nS max) |
|---------------|---------------|-----------------------|-------------------------------|----------------------------------|----------------------------------|----------------------------------|-------------------------------|
| TG11-0756N1LF | Dual | 1:1:1:1 | 75 | 10 | 0.2 | 0.2 | 3.0 |
| TG11-0756NTLF | Single | 1:1:1:1 | 75 | 13 | 0.2 | 0.2 | 3.0 |
| TG11-1506N1LF | Dual | 1:1:1:1 | 150 | 10 | 0.2 | 0.3 | 3.5 |
| TG12-0756N1LF | Dual | 1:1:2:2 | 75 | 10 | 0.1 | 0.2 | 10 |
| TG12-0756NTLF | Single | 1:1:2:2 | 75 | 16 | 0.1 | 0.2 | 3.0 |
| TG12-1506N1LF | Dual | 1:1:2:2 | 150 | 12 | 0.1 | 0.3 | 10 |
| TG51-0756N1LF | Dual | 1:1:1.22:1.22 | 75 | 10 | 0.2 | 0.2 | 3.0 |
| TG51-1506N1LF | Dual | 1:1:1.22:1.22 | 150 | 12 | 0.3 | 0.3 | 3.5 |
| TG51-2506N1LF | Dual | 1:1:1.22:1.22 | 250 | 15 | 0.5 | 0.4 | 4.0 |

Please contact the factory or representative for individual datasheets or additional information.

Single Schematic



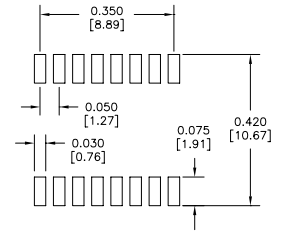
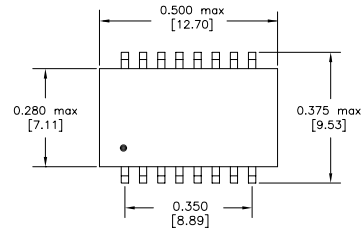
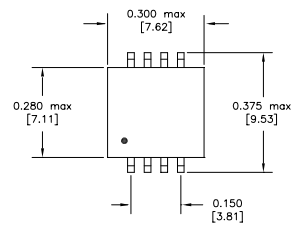
Dual Schematic



Token Ring Isolation Modules

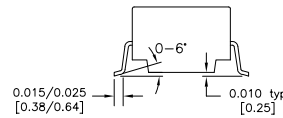
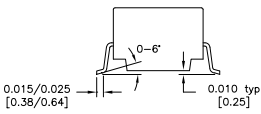
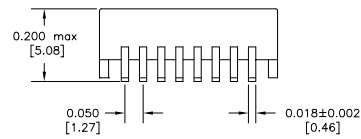
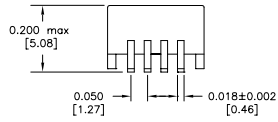
Package NT

Package N1



Recommended Solder Pad Dimensions

Recommended Solder Pad Dimensions



Dimensions: inches [mm]
Co-Planarity: 0.004 [0.10]

Dimensions: inches [mm]
Co-Planarity: 0.004 [0.10]

US Patent Numbers

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



2880 Lakeside Drive #116
Santa Clara, CA 95054
(650) 903-3800

www.haloelectronics.com

HALO® Electronics is a leading supplier of high quality communication magnetics including signal transformers, filters, CMR chokes, PoE power transformers, DC/DC converters, and integrated Ethernet connectors. HALO's leading edge technology solutions are manufactured in ISO9001 and ISO14001 factories offering high quality products at a competitive price.

© Copyright 2014 HALO Electronics, Inc. All rights reserved.

Revised 02/2014 Download the latest version at www.haloelectronics.com/pdf/sdiscrete-smd-tokenring.pdf