T3/DS3/E3/STS-1 Modules

Dual Transformer Isolation, SMD Package

HALO ELECTRONICS, INC.

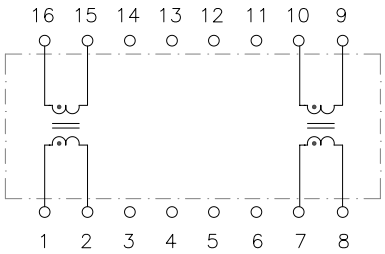
Product Features:

- Standard series of SMD dual transformer Isolation Modules to meet the return loss requirements of G.703 for T3, DS3, E3 and STS-1 applications.
- Non-Standard designs are also available.
- 1500Vrms Hi-Pot
- UL60950 and EN60950 recognized
- Patented Open Frame Construction

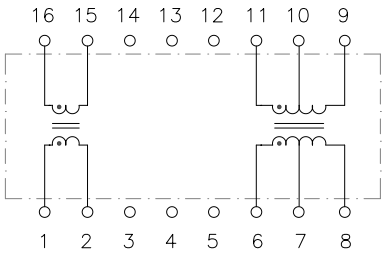
Part Number	Schematic	PRI Pins	Turns Ratio ±2% PRI:SEC	PRI OCL (µH min)	LL (µH max)	Temp Range
TG01-0406N1RL	A	1-2 & 7-8	1:1 & 1:1	40	0.10	-40 to 85°C
TG20-S001N1RL	A	1-2 & 7-8	1:1 & 1:1.5	40	0.15	-40 to 85°C
TG57-0406N1RL	B	1-2 & 6-8	1:1 & 1CT:1CT	40	0.10	0 to +70°C
TG74-0406N1RL	C	1-2 & 7-8	1:1 & 1:2CT	40 & 19	0.10	0 to +70°C
TG01-0456N1RL	A	1-2 & 7-8	1:1 & 1:1	45	0.12	-40 to 85°C
TG57-0456N1RL	B	1-2 & 6-8	1:1 & 1CT:1CT	45	0.12	-40 to 85°C
TG74-0456N1RL	C	1-2 & 7-8	1:1 & 1:2CT	45 & 35	0.12	-40 to 85°C

Notes:
1. Please contact the factory or representative for individual datasheets or additional information.
2. Please contact the factory for "LF" lead free availability.

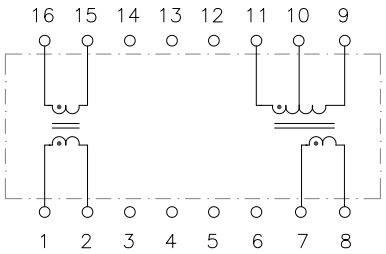
Schematic A



Schematic B

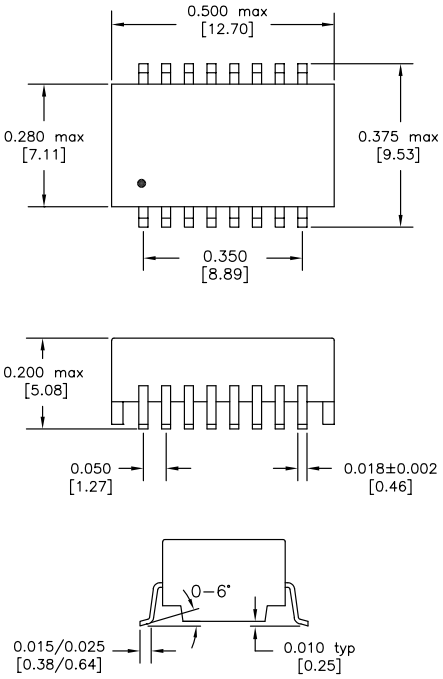


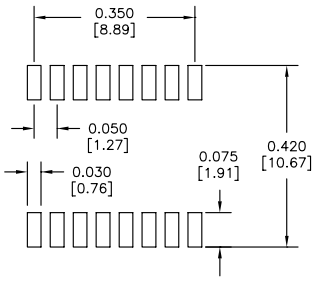
Schematic C



T3/DS3/E3/STS-1 Isolation Modules

Package N1





Recommended
Solder Pad Dimensions

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

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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.

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