## E4/STM-1/STS-3/OC-3 Modules

Single or Dual Transformer Isolation, SMD Package















### **Product Features:**

- Standard series of single and dual core devices to meet the requirements for E4, STM-1, STS-3 and OC-3 applications.
- Designed specifically to interface with the TDK 78P2253 transceiver.
- 1500Vrms Hi-Pot
- Operating Temp -40 to +85°C
- UL/EN60950 Recognized
- Patented Open Frame Construction

Part Number	Turns Ratio ±3% PRI:SEC	Return Loss 8-240MHz (min)	OCL PRI (µH min)	Bandwidth MHz	Primary Pins	Circuit Schematic	RoHS
TG04-TDK2NSLF	1CT:1CT	-15dB	36	0.1 - 400	1-3	Α	Pb-Free
TG04-TDK2NSRL	1CT:1CT	-15dB	36	0.1 - 400	1-3	А	RoHS (7a)
TG04-TDK1N1LF	1CT:1CT & 1CT:1CT	-15dB	36	0.1 - 400	1-3, 6-8	В	Pb-Free
TG04-TDK1N1RL	1CT:1CT & 1CT:1CT	-15dB	36	0.1 - 400	1-3, 6-8	В	RoHS (7a)

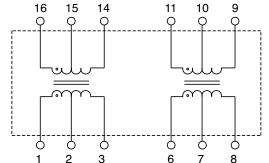
#### Notes:

- 1. Pb-Free parts are RoHS 6/6 compliant. RoHS (7a) parts contain lead per exemption 7a which is set to expire July 2016.
- 2. Parts with RL suffix are not recommended for new designs.
- 3. Please contact the factory or representative for individual datasheets or additional information.

# Circuit A

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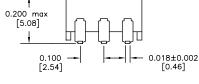
## Circuit B

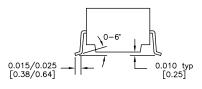


## E4/STM-1/STS-3/OC-3 Isolation Modules

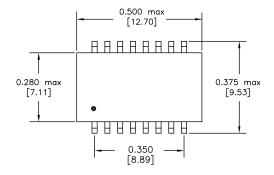
### Package NS

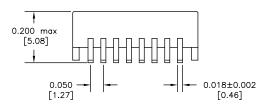
## 0.320 typ [8.13] 0.280 max [7.11] 0.200 [5.08]

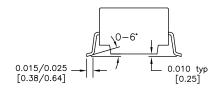


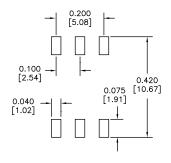


## Package N1



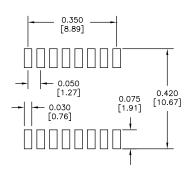






Recommended Solder Pad Dimensions

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



Recommended Solder Pad Dimensions

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



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.