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

Single or Dual Transformer Isolation, SMD Package
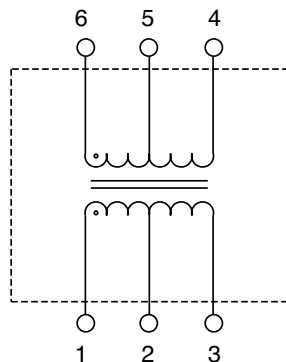
HALO ELECTRONICS, INC.
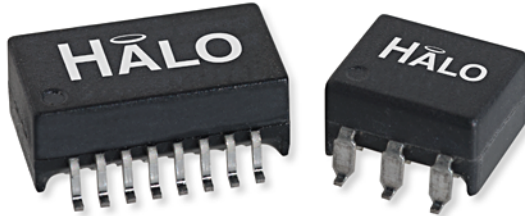
Product Features:

● 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

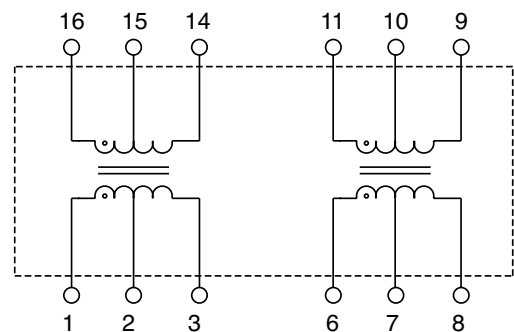| Part Number	Turns Ratio ±3% PRI:SEC	Return Loss 8-240MHz (min)	OCL PRI (µH min)	Bandwidth MHz	Primary Pins	Circuit Schematic	RoHS
TG04-TDK2NSLF	1CT:1CT	-15dB	36	0.1 - 400	1-3	A	Pb-Free
TG04-TDK2NSRL	1CT:1CT	-15dB	36	0.1 - 400	1-3	A	RoHS (7a)
TG04-TDK1N1LF	1CT:1CT & 1CT:1CT	-15dB	36	0.1 - 400	1-3, 6-8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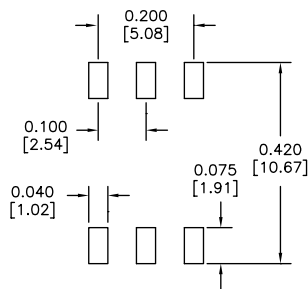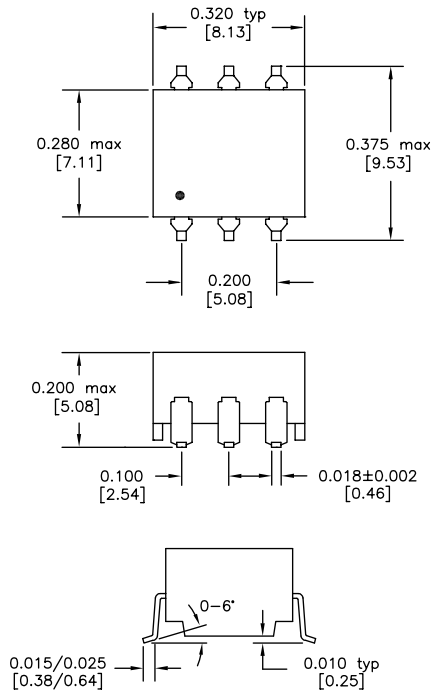
Circuit A

Circuit B

Package NS

0.320 typ
[8.13]

0.280 max
[7.11]

0.375 max
[9.53]

0.200
[5.08]

0.200 max
[5.08]

0.100
[2.54]

0.018±0.002
[0.46]

0−6°

0.015/0.025
[0.38/0.64]

0.010 typ
[0.25]

0.200
[5.08]

0.100
[2.54]

0.040
[1.02]

0.075
[1.91]

0.420
[10.67]

Recommended
Solder Pad Dimensions

Package N1

0.500 max
[12.70]

0.280 max
[7.11]

0.375 max
[9.53]

0.350
[8.89]

0.200 max
[5.08]

0.050
[1.27]

0.018±0.002
[0.46]

0−6°

0.015/0.025
[0.38/0.64]

0.010 typ
[0.25]

0.350
[8.89]

0.050
[1.27]

0.030
[0.76]

0.075
[1.91]

0.420
[10.67]

Recommended
Solder Pad Dimensions

Dimensions: inch [mm]
Co-Planarity: 0.004 [0.10]
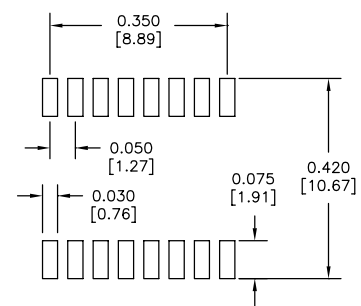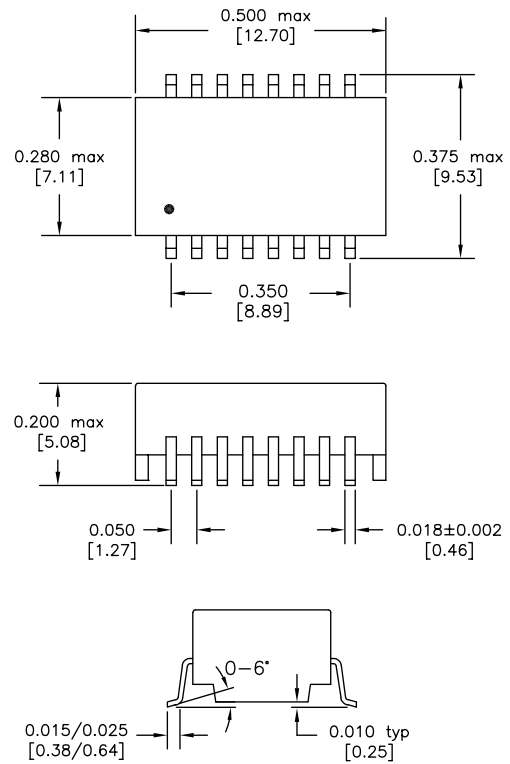
US Patent Numbers
5,656,985   6,297,721 B1
6,297,720 B1   6,320,489 B1
6,344,785 B1   6,662,431 B1

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