

Applications

- 200 Gb/s Linear Driver: 16QAM



Product Features

- 200 Gb/s Linear Performance
- Dual Channel, Single Ended Input and Output
- <2 % THD at 1GHz and 4 Vpp
- Excellent Channel to Channel Isolation
- Integrated broadband RF Chokes
- Power Detector
- Package Size: 13.1 x 10.6 x 3.6 mm

General Description

The TriQuint TGA4892-SL is a dual channel optical modulator linear driver amplifier designed for 200 Gb/s optical markets.

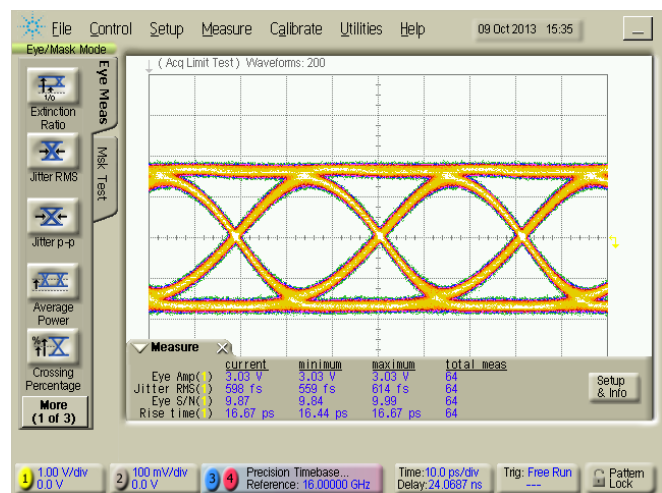
The TGA4892-SL consists of two channels of high performance wideband amplifiers and integrated broadband RF Chokes assembled in a 13.1 x 10.6 x 3.6 mm package, requiring a minimum of off-chip components. The TGA4892-SL has low Total Harmonic Distortion (THD) of less than 2 % at 1 GHz and 4 Vpp output.

Two TGA4892-SLs placed between the DAC and Optical Modulator provides OEMs with a modulator linear driver surface mount solution.

The TGA4892-SL is lead-free and RoHS compliant. Evaluation boards and bias boards are available upon request.

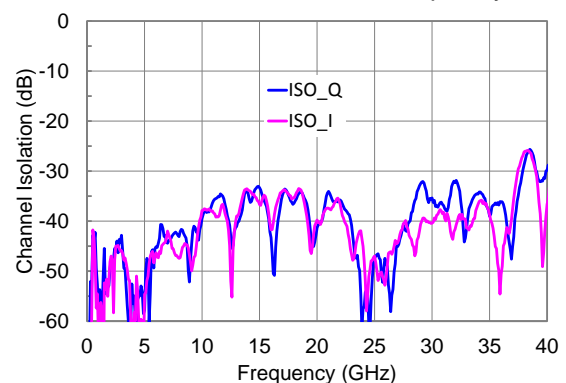
Measured Data

Vin = 0.27 Vpp, 32 Gbps, PRBS 2^31-1



Measured Data

Channel Isolation vs. Frequency



Ordering Information

Part No.	ECCN	Description
TGA4892-SL	5A991.b	Dual Channel 200 Gb/s Linear Modulator Driver