

Applications

- 100 Gb/s CFP2 Quad Limiting Driver



Product Features

- Differential Input and Output
- Gain (Diff-to-Diff): 28 dB
- 3 dB Bandwidth: 24 GHz
- Output Swing: 3 to 5 Vppd
- Channel to Channel Isolation: > 25 dB
- Power Consumption < 0.8 W / ch. at 4 Vppd
- Internal Power Detector
- Only positive power supplies required

General Description

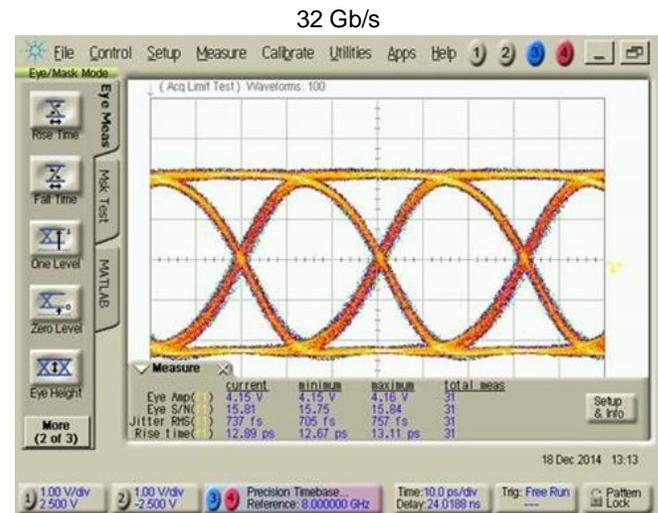
The Qorvo TGA4898-SL is a quad channel, differential input, differential output, optical quad limiting driver amplifier designed for 100 Gb/s optical markets.

The TGA4898-SL consists of four channels of high performance wideband amplifiers, input DC blocks and integrated broadband RF Chokes requiring a minimum of off-chip components. The TGA4898-SL has more than 25 dB of channel-to-channel isolation and 4 Vppd output amplitude.

The TGA4898-SL operates with one to three positive power supplies; no negative supply is required. For 4 Vppd output amplitude, the power consumption is less than 0.8 W per channel. The TGA4898-SL also has an internal output power detector for output control.

The TGA4898-SL is RoHS compliant. Evaluation boards and bias boards are available upon request.

Eye Diagram



Ordering Information

Part No.	ECCN	Description
TGA4898-SL	5A991.b	100 Gb/s Quad Limiting Driver