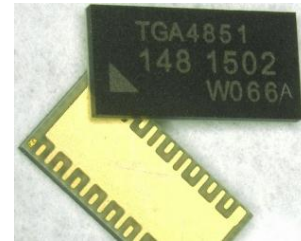


Applications

- 28 Gb/s QSFP28 / CFP4 / CFP2 Quad Driver
- EML Driver



Product Features

- QSFP28, CFP4, CFP2 100G Quad Driver
- Adjustable Output Amplitude, 1 to 3 Vpp
- Low Additive RMS Jitter, 600 fsec
- Gain, 11 dB at 15 GHz
- Channel-to-channel Isolation, 30 dB
- Low DC Power Dissipation, 150 mW @ 1.5 Vpp at Vd = 3 V, per channel
- Rise and Fall Times, 12.5 psec
- Package Size: 3.75 x 7.52 x 0.70 mm

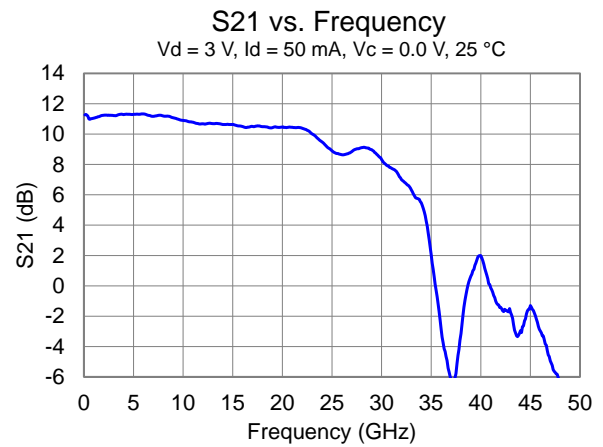
General Description

The Qorvo TGA4851-SL is a 4 channel optical modulator driver amplifier designed for the QSFP28 100 Gb/s optical markets. The TGA4851-SL is a compact SMT package with 11 dB of gain and 1.5 Vpp output power and 3 dB BW of 25 GHz.

The TGA4851-SL includes four wideband MMIC amplifiers and bypass capacitors inside the package and provides Client side designers with system critical features such as: low power dissipation, high signal to noise ratio (SNR), fast rise and fall times, and low output jitter.

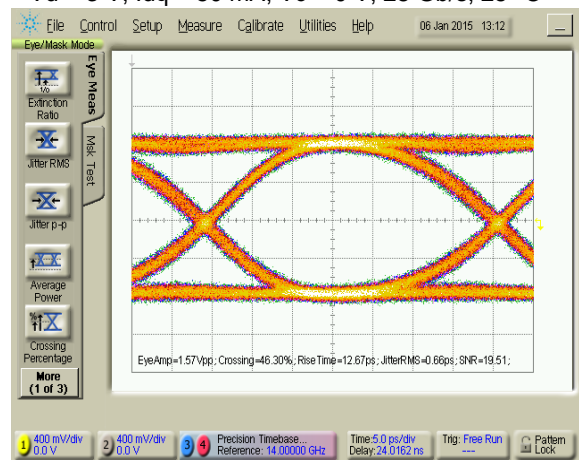
The TGA4851-SL is RoHS compliant. Evaluation boards are available upon request.

S-Parameter



Eye Diagram

Vd = 3 V, Idq = 50 mA, Vc = 0 V, 28 Gb/s, 25 °C



Ordering Information

Part No.	ECCN	Description
TGA4851-SL	5A991.b	4 Channel 28 Gb/s Modulator Driver