

TGA4840-SM

28Gb/s CFP2 Modulator Driver

Applications

- 28 Gb/s CFP2 Driver
- EML Driver



14-pin 3X4 QFN

Product Features

- CFP2 100G Low Power Driver
- Adjustable Output Amplitude, 1-3Vpp
- Low Additive RMS Jitter, 600 fsec
- Gain, 10 dB at 15 GHz
- Low DC Power Dissipation, 165m W @ 1.5 Vpp at Vd=3.3V
- Rise and Fall Times, 12.5 psec
- Package Size: 3 x 4 x 0.85 mm

General Description

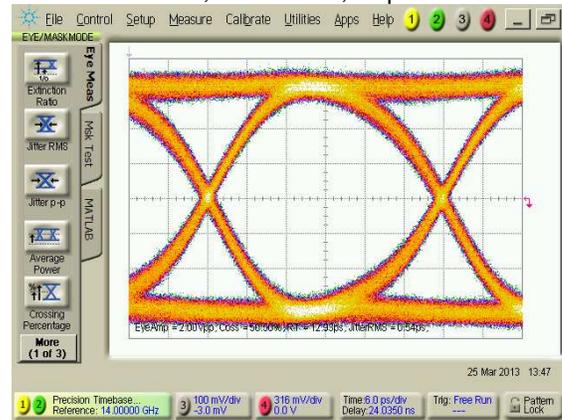
The TriQuint TGA4840-SM is an optical modulator driver amplifier designed for the CFP2 100 Gb/s optical markets. The TGA4840-SM is a compact SMT package with 12dB of gain and 1.5Vpp output power and High BW of 35GHz.

The TGA4840-SM provides Client side designers with system critical features such as: low power dissipation, high signal to noise ratio (SNR), fast rise and fall times, low output jitter.

The TGA4840-SM finish is lead-free. This part is RoHS compliant. Evaluation boards and bias boards are available upon request.

Eye Diagram

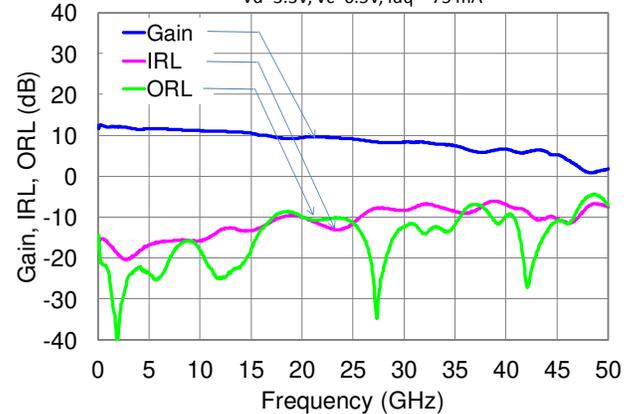
Vd = 3.3 V, Vc = 1.0 V, Idq = 75 mA



S-Parameters

S-Parameters vs Frequency

Vd=3.3V, Vc=0.5V, Idq = 75 mA



Ordering Information

Part No.	ECCN	Description
TGA4840-SM	5A991.b	28 Gb/s Modulator Driver