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MAOM-002311

Single Channel Linear 28 Gbps Directly Modulated Laser Driver

The MAOM-002311 is a high performance single channel Directly Modulated Laser (DML) driver for 50G, 100G and 200G applications using 28 Gbaud PAM4 modulation. The device is driven with a nominal differential input signal of 800 mVppd and provides an output current that can be controlled from 28 mApp to 57 mApp. The DML driver has very low power consumption of 330 mW at 45 mApp output. The driver is available in a 4 x 4 mm surface-mount package with integrated high frequency bias chokes for the driver and DML.

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Features

- Symbol rate up to 28 Gbaud
- Differential input and output
- Output Amplitude: 28 ~ 57 mApp
- Input Voltage: typical 800 mVpp differential
- RoHS* Compliant

Applications

- 50G, 100G and 200G modules using 28 Gbaud PAM4

Specifications

- Max Data Rate: 28 Gbps
- Max Output Bias Current: 100 mA

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Part Number **Package MACOM**

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