## 56 Gbaud Octal-Channel, Linear Differential Modulator Driver

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### Description

The IN5628DZ is a low power, octal-channel, differential modulator driver that is designed to support 800G DR8/FR8 applications. The IN5628DZ supports differential input voltages to deliver a differential output swing, while designed to drive flexible output termination loads. The IN5628DZ has low power consumption and is available in bare die.

### Features

- Supports baud rates up to 56 Gbaud
- Octal-channel modulator driver, 625 µm I/O pitch
- Differential input, differential output
- Wide external output termination range
- Output swing
- Integrated input AC capacitors
- I2C interface
- Adjustable gain
- Adjustable peaking
- Small signal bandwidth
- Low power consumption
- Low THD
- Available in die form

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