

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

Part No.

IN5628DZ

**Product Type** 

**Linear Drivers** 

**Market Segments** 

Inside Data Centers

**Applications** 

800G-DR8/FR8

## **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

## **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.



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