

56 Gbaud Octal-Channel, Linear Differential Modulator Driver

Part No.

IN5628DZ

Product Type

Linear Drivers

Market Segments

Inside Data Centers

Applications

800G-DR8/FR8

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