

28 Gbaud Single-Channel, Linear DML Driver

Part No.

IN2821SD

Product Type

Linear Drivers

Market Segments

Inside Data Centers

Applications

50G-DR1/FR1 (up to 2 km) 200G-DR4/FR4 (up to 2 km)

Features

- · Supports baud rates up to 28 Gbaud PAM4
- DC coupled, direct wirebond to DML diode
- Supports burn-in current
- Excellent THD
- Low power consumption
- I2C control
- · Available in die form

Description

The IN2821SD is a 28 Gbaud single-channel linear differential-inputs, single-ended output Directly Modulated Laser (DML) driver die designed to be DC-coupled with direct wirebond to DML diode in the DR1/FR1 and DR4/FR4 PAM4 applications.

The IN2821SD has excellent THD, low power consumption, and is available in die form, making it suitable for COB optical assembly.



To deliver the data infrastructure technology that connects the world, we're building solutions on the most powerful foundation: our partnerships with our customers. Trusted by the world's leading technology companies for 25 years, we move, store, process and secure the world's data with semiconductor solutions designed for our customers' current needs and future ambitions. Through a process of deep collaboration and transparency, we're ultimately changing the way tomorrow's enterprise, cloud, automotive, and carrier architectures transform—for the better.