

# 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.