# 28 Gbaud Single-Channel, Linear DML Driver

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>IN2821SD</td>
<td>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.</td>
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**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

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