56 Gbaud Quad-Channel, Differential SiPho Mach-Zehnder Modulator Driver

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<th>IN6424DZ</th>
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<td><strong>Product Type</strong></td>
<td>Linear Drivers</td>
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<td><strong>Market Segments</strong></td>
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<td><strong>Applications</strong></td>
<td>400G DR4/FR4, 800G DR8/FR8</td>
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**Description**

The IN6424DZ is a low power, quad-channel, differential SiPho Mach-Zehnder (MZ) modulator driver that is designed to support 400G and 800G PAM4 applications.

- The IN6424DZ supports differential input voltages to deliver a differential output swing, while designed to drive flexible output termination loads.
- The IN6424DZ includes peak detectors and temperature monitoring circuits. The peak detector output and the temperature monitor reading can be read via the SPI interface.
- The IN6424DZ is available in die form.

**Features**

- Supports baud rates up to 56 Gbaud
- Differential outputs
- Differential AC-coupled inputs
- High electrical bandwidth
- Adjustable gain
- Low power consumption
- Peak detector per channel
- Excellent THD
- SPI control
- Available in die form