

# 32 Gbaud Quad-Channel, Linear Differential Inputs, Single-Ended Output Driver in LGA Package

**Part No.**

IN3217SZ

**Product Type**

Linear Drivers

**Market Segments**

Long Haul/Metro

**Applications**

100G DP-QPSK Mach-Zehnder Modulator Driver  
2 x 200G 16 QAM Mach-Zehnder Modulator Driver

**Features**

- Supports baud rates up to 32.5 Gbaud
- 4 channels in package with AC-coupled inputs and bias-T output included
- Differential-ended inputs with surface mount (SMT) coplanar interface
- Single-ended linear output with surface mount (SMT) coplanar interface
- Wide adjustable gain range
- High electrical bandwidth
- Excellent THD
- Peak detector outputs
- RoHS6-compliant package

**Description**

The IN3217SZ is a Quad Linear Differential Input, Single-Ended Output Driver with SMT Interface for 100G DP-QPSK and 400G 16QAM optical transmission applications.

The IN3217SZ has two modes of operation: high output amplitude mode to support Lithium Niobate modulators and low output amplitude mode to support InP modulators. The device maintains excellent THD and high bandwidth.

The IN3217SZ has adjustable gain and includes output peak detector function.

The IN3217SZ is available in a 14 mm × 9.1 mm RoHS6-compliant hybrid package with SMT interface and AC-coupled inputs and high-speed bias-T at the output.