

64 Gbaud Quad-Channel, Linear Differential Inputs, Single-Ended Output Driver

Part No.

IN6417SZ

Product Type

Linear Drivers

Market Segments

Long Haul/Metro

Applications

200G/400G coherent systems

Description

The IN6417SZ is a 64 Gbaud Quad-Channel Linear Differential-Input, Single-Ended Output Driver with SMT Interface for 200G DP-QPSK and 400G 16QAM optical transmission applications.

The IN6417SZ has excellent THD, high bandwidth, adjustable gain and includes an output peak detector function.

The IN6417SZ is available in an RoHS-compliant hybrid package with SMT interface and AC-coupled inputs and high-speed bias-T at the output.

Features

- Supports baud rates up to 64 Gbaud
- Differential-ended inputs, single-ended linear outputs
- Wide adjustable gain
- Manual Gain Control (MGC)
- High electrical bandwidth
- Peaking control to compensate loss
- Excellent THD
- Peak detector outputs
- Thermal down
- RoHS-compliant 4 channels in package with AC-coupled inputs and bias-T output included
- Unconditionally stable and exempt of any spurious tones or oscillation either in-band or out-of-band