

28 Gbaud Quad-Channel, Linear Differential Input, Single-Ended Output EML Driver

Part No.

IN2834SZ

Product Type

Linear Drivers

Market Segments

Inside Data Centers

Applications

400G CFP8 and DDQSFP EML PAM4 applications

Features

- Supports baud rates up to 28 Gbaud
- AC-coupled inputs and bias-T outputs
- Differential input, single-ended linear output
- Adjustable gain
- Manual Gain Control (MGC)
- High electrical bandwidth
- Excellent THD
- Peak detector outputs
- RoHS6-compliant package
- Thermal down
- L2 reliability GR468
- Unconditionally stable and exempt of any spurious tones or oscillation either in-band or out-of-band

Description

The IN2834SZ is a 28 Gbaud quad-channel linear differential input, single-ended output driver with SMT Interface for 400G CFP8 and DDQSFP EML PAM4 applications.

The device has excellent THD and high bandwidth. The IN2834SZ has adjustable gain and includes an output peak-detector function.

The IN2834SZ is available in an RoHS6-compliant hybrid package with SMT interface and AC-coupled inputs, high-speed bias-T at the output, and EML DC bias-T inside package.