

General Description

The GX62474 is a high-performance parallel low V_{pi} linear Mach-Zender Modulator (MZM) driver designed for 100G DP-QPSK long-haul optical transmitters. The GX62474 is a small form factor (SFF) with differential inputs and single ended outputs. The GX62474 is a surface mount device (SMD) packaged solution consisting of 4 x 32Gb/s broadband amplifiers, each capable of driving a linear output voltage of 6.5V_{pp} suitable for multilevel modulation applications.

Device Diagram

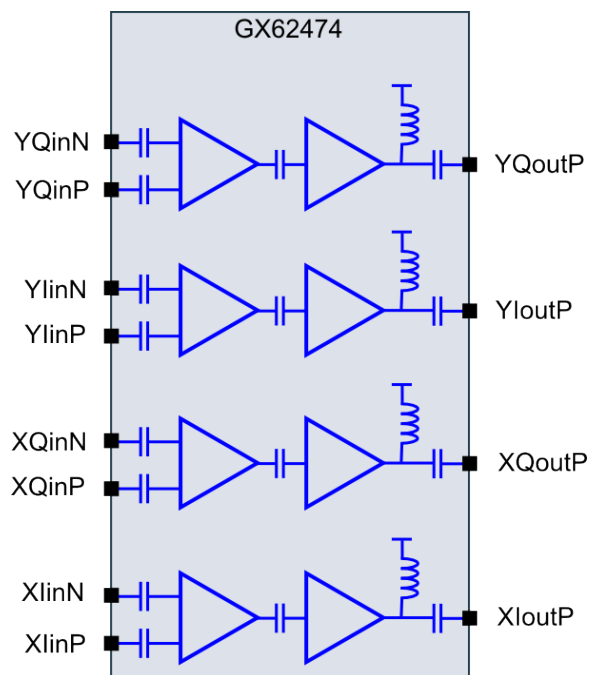


Figure 1: Device diagram

Applications

- 100Gb/s Coherent Systems using DP-QPSK
- 200Gb/s & 400Gb/s advanced multi-level modulation systems

Features

- Data rate up to 32Gb/s per channel for 100G/200G/400G DP-QPSK coherent applications
- Ultra low inter channel crosstalk
- Small form factor SMD
- No external RF supply chokes & RF decoupling required
- Internal RF input and output DC blocking
- Linear output voltage up to 6.5V_{pp}
- Gain control independent for each channel
- Integrated peak detector for each channel

Ordering Information

Part	Temperature Range	Package
GX62474-HIU	-5°C to +85°C	SMD 13mm x 19mm

For price, delivery schedules, and to place orders, please contact IDT: www.IDT.com/go/sales

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