Description

The GX62474B is a high-performance parallel low Vpi linear/limiting Mach-Zender Modulator (MZM) driver designed for long-haul optical transmitters. The GX62474B is a small form factor (SFF) with differential inputs and single ended outputs. The GX62474B is a surface mount device (SMD) packaged solution consisting of 4 x 32Gb/s broadband amplifiers, each capable of driving a limiting output voltage of 7.0Vpp. Device, under suitable bias, can also be used for multilevel modulation applications.

Device Diagram

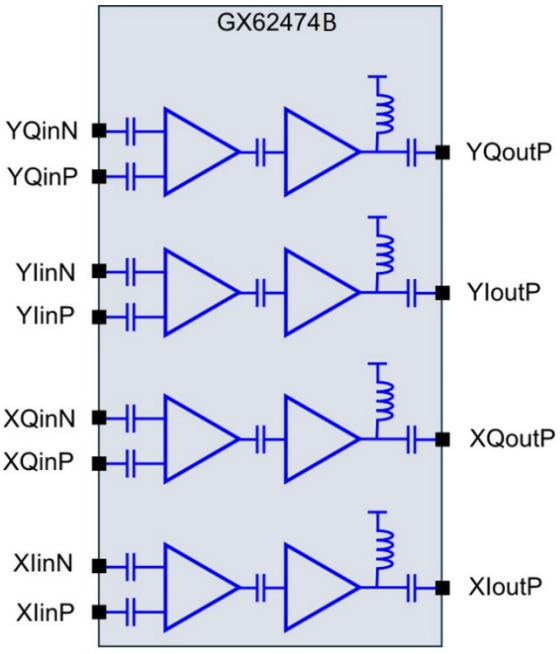


Figure 1: Device diagram

Applications

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

Features

- Data rate up to 32Gb/s per channel for 100G DP-QPSK or 200G 16QAM coherent applications
- Low inter channel crosstalk
- Small form factor SMD
- No external RF supply chokes & RF decoupling required
- Internal RF input and output DC blocking
- Output amplitude control independent for each channel
- Integrated peak detector for each channel

Ordering Information

Part	Temperature Range	Package
GX62474B-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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