



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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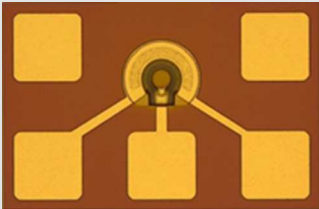
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LPD3035

32-Gb/s InGaAs PIN Photodiode



Key Features

- Flip chip ready
- 29 GHz bandwidth
- Telcordia Qualified
- Die Level Hermeticity (DLH) Technology
- PAM-4 ready
- GSG three-pad configuration

Applications

- 25G/50G/100G Ethernet
- 128G (4x32 Gb/s) links
- Single-mode datacom and telecom
- Long wavelength (1260 nm to 1625 nm)
- Fiber-optic transceivers, receivers, and transponder



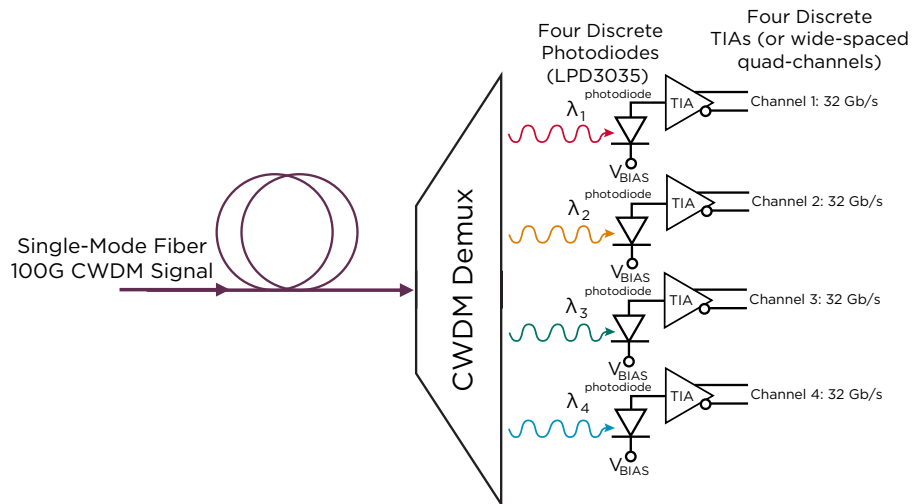
Description

The Broadcom LPD3035 is a mesa-structured, InGaAs-based PIN photodiode offering high responsivity, low dark current, and low capacitance for high-bandwidth, high-performance optical receiver designs.

The LPD3035 is designed with extra bandwidth when compared with typical photodiodes used in 25-Gb/s NRZ signaling. This extra bandwidth enables the LPD3035 to work with 32-Gbaud PAM-4-type signals. The extra bandwidth also helps to ensure the linear fidelity of the PAM-4 signaling is preserved and cleanly launched into a linear TIA channel.

Broadcom DLH Technology™ is applied to the semiconductor device coatings (passivation, etc.) on the photodiodes to enable the die themselves to act as the hermetic seal against GR-468-type environments.

CWDM4 into Four Discrete Diodes



Ordering Information

InGaAs PIN Photodiode: Blue tape, 6" hoop frames, max. 16,000 die/frame	LPD3035
InGaAs PIN Photodiode: 2" Gel-Pak, vacuum release, max. 100 die/pack	LPD3035-GP