



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!



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Semtech GN1035

GN1035 2.5Gb/s Transimpedance Amplifier with Automatic Gain Control

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Overview

Gennum's GN1035 is a fully integrated, silicon germanium transimpedance amplifier; providing wideband, low noise pre-amplification of signal current from a photodetector.

It features differential outputs, and incorporates an automatic gain control mechanism to increase dynamic range, allowing input signals up to 2.6 mA peak. A decoupling capacitor on the supply is the only external circuitry required.

Features

- Single +3.3V power supply
- Power dissipation 125mW (typ)
- Input noise current = 250nA rms when used with a 0.5pF detector
- Transimpedance gain 10k Ω into 100 Ω load (differential)
- Bandwidth (-3dB) = 2.0GHz
- No photodiode bypass capacitor required in PIN-based applications.
- RSSI (received signal strength indicator) current output operates from sensitivity to overload, selectable source or sink
- Bondpad configuration, and output polarity control, allow for maximum flexibility in pin-out in a TO Can ROSA
- On-chip filter to improve sensitivity and control bandwidth

Applications

- GPON ONU/ONT
- Gigabit Ethernet
- 2x Fibre Channel
- PCI Express
- SONET/SDH
- Infiniband

Order Codes

Type	Package
GN1035CWA-CHIP	Bare Die

