



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 GN1032

2.5Gb/s Transimpedance Amplifier with Automatic Gain Control

Overview

Gennum's GN1032W 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 +3.3 V power supply
- Power dissipation = 145 mW (typ)
- Input noise current = 250 nA rms
- Transimpedance gain = 3.6 k Ω into a 100 Ω load (differential)
- 100 Ω (differential) outputs
- Bandwidth (-3 dB) = 2.05 GHz
- Wide data rate range = 155 Mb/s to 2.5 Gb/s
- Operating junction temperature range = -40°C to +125°C

Applications

- SONET/SDH-based transmission systems, test equipment and modules
- OC-48 fibre optic modules and line termination
- ATM over SONET/SDH
- Gigabit Ethernet
- 2x Fibre Channel

Order Codes

Part No	Package
GN1032W-CHIP	Waffle Pack (400pcs)
GN1032W-COT	Reel (4800pcs)



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