



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 GN1057

10/11.3 Gb/s Transimpedance Amplifier with Automatic Gain Control

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Overview

Gennum's GN1057 is a fully integrated silicon germanium (SiGe) BiCMOS transimpedance amplifier, providing wideband low noise pre-amplification of a current signal from a PIN photodiode or APD.

It features differential outputs and incorporates automatic gain control (AGC) to improve linear dynamic range. A decoupling capacitor on the supply is the only external component required.

Features

- Single +3.3V power supply
- Power dissipation 190mW (typical)
- Bandwidth remains constant over dynamic range
- Typical small signal gain of 4 kΩ
- RSSI (Receive Signal Strength Indicator)
- Operates from 9.95Gb/s to 11.3 Gb/s NRZ

Applications

- ITU/IEEE-based transmission systems, test equipment and modules including 10GBASE-LRM
- OC-192 fibre optic modules and line termination
- 10 Gigabit Ethernet
- Fibre Channel
- Serial data systems up to 11.3 Gb/s

Order Codes

Part No	Package
GN1057CW-CHIP	Waffle Pack (400pcs)

Inside Circuit
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