



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 GN1055

10/11.3 Gb/s Limiting Transimpedance Amplifier with Slicing Adjust

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### Overview

Gennum's GN1055 is a fully integrated silicon germanium (SiGe) BiCMOS transimpedance amplifier, providing wideband, low noise pre-amplification of a current from a PIN photodiode or APD.

It features differential outputs. A decoupling capacitor on the supply is the only external component required.

### Features

- Single +3.3 V power supply
- Power dissipation = 145 mW (typical)
- Transimpedance gain = 4 k $\Omega$  into 100 $\Omega$  load (diff)
- Upper Bandwidth (-3dB) = 12GHz
- Operates at OC-192 / STM-64 up to 11.3 Gb/s NRZ rates
- RSSI (Receive Signal Strength Indicator)
- User adjustable Input Slicing Level.
- Can be used with APD
- Minimal external components; supply decoupling only
- Operating junction temperature range = -40° to +125°C

### Applications

- SONET/SDH-based transmission systems, test equipment and modules
- 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
GN1055CW-CHIP	Waffle Pack (400pcs)

