



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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





# Semtech GN3068

11.3Gb/s low power ROSA for 10km Applications



The GN3068 ROSA is a fully integrated device with design features that ensure excellent RF stability, together with high gain and low power dissipation. The GN3068 offers state of the art sensitivity for both stressed and unstressed data, and employs a unique crosstalk reducing architecture to ensure class leading sensitivity in all module applications. The advanced Rchip architecture provides the GN3068 with exceptional crosstalk performance to optimize sensitivity in real-world module applications.

## Overview

### **Features**

- Power dissipation 90mW typical
- Single +3.3V power supply
- Integral InGaAs photodiode
- Optical sensitivity ( $10^{-12}$  BER)
  - (unstressed) -19.5dBm mean
  - (base L) -16dBm OMA
- Optical overload ( $10^{-12}$  BER)
  - mean 3dBm typical
- Optical wavelength range 1260-1610nm
- Responsivity 0.8A/W

### ***Applications***

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

### ***Order Codes***

- GN3068-3EB6AL3E3: LC with F10019 Flex
- GN3068-3EB6AM3E3: LC with XMD V5 Flex
- GN3068-3EB6AM4E3: LC with XMD V2 Flex
- GN3068-3EB6AM5E3: LC Leaded (no flex)