ANALOG DEVICES
AHEAD OF WHAT'S POSSIBLE™

Search 🔍

MY HISTORY | PARAMETRIC SEARCH | PRODUCTS | APPLICATIONS | DESIGN CENTER | COMMUNITY | EDUCATION | SUPPORT

🏠 Products > Optical > Fiber Optic Data > Modulator Drivers > HMC1068 Products > Optical > Fiber Optic Data > Modulator Drivers > HMC1068

🖶 Print   ⊕ My Analog

HMC1068

32Gbps Optical Modulator Driver, Pre-Stage

☑ Recommended for New Designs

🔍

- Overview
- Design Resources
- Discussions
- Sample & Buy

Features and Benefits

To request data sheet and for additional information, please contact
RFMG-fo@analog.com

Product Categories

Optical
- Modulator Drivers

Product Details

The HMC1068 is a broadband distributed amplifier optimized for time-domain performance with high bandwidth supporting data-rates up to 32Gbps. The output signal amplitude and cross point are adjustable through the control pins and the integrated peak detector feature is used for monitoring the output voltage signal levels during device's normal operation.

The HMC1068 is designed in GaAs MMIC PHEMT process and the device can support wide supply (Vdd) voltage range from 3.3V to 7V with excellent performance, which gives the system designers the flexibility to further optimize the power consumption of the device by settings the supply voltage to its optimum value depending on the output voltage requirements.

HMC1068 performance is optimized… Show More..

Product Lifecycle

☑ Recommended for New Designs

This product has been released to the market. The data sheet contains all final specifications and operating conditions. For new designs, ADI recommends utilization of these products.

Design Resources ⌃

ADI has always placed the highest emphasis on delivering products that meet the maximum levels of quality and reliability. We achieve this by incorporating quality and reliability checks in every scope of product and process design, and in the manufacturing process as well. "Zero defects" for shipped products is always our goal.

HMC1068 Material Declaration

PCN-PDN Information

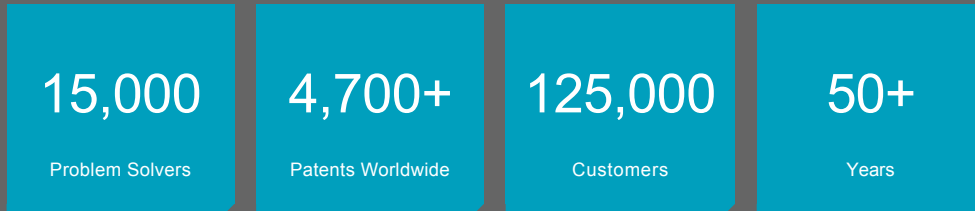Quality And Reliability

Symbols and Footprints

Discussions ⌃

EngineerZone™ SUPPORT COMMUNITY Didn't find what you were looking for? **Ask the Analog community »**

Sample & Buy ⌃

Model	Package	Pins	Temp Range	Packing Qty	Price (100-499)	Price (1000+)	RoHS	Order from Analog Devices
HMC1068 Request PCN/PDN Notification Production	CHIPS OR DIE	0		Tray, 25		-	Y ✔ Info	Purchase
HMC1068-SX Request PCN/PDN Notification Production	CHIPS OR DIE	0		Tray, 2	-	-	Y ✔ Info	Sample Purchase

Back | UNITED STATES ⌄ | Check Inventory

The USA list pricing shown is for BUDGETARY USE ONLY, shown in United States dollars (FOB USA per unit for the stated volume), and is subject to change. International prices may differ due to local duties, taxes, fees and exchange rates. For volume-specific price or delivery quotes, please contact your local Analog Devices, Inc. sales office or authorized distributor. Pricing displayed for Evaluation Boards and Kits is based on 1-piece pricing.

Price Table Help

15,000	4,700+	125,000	50+
Problem Solvers	Patents Worldwide	Customers	Years

Ahead of What's Possible

Analog Devices is a global leader in the design and manufacturing of analog, mixed signal, and DSP integrated circuits to help solve the toughest engineering challenges.

See the Innovations

Analog Devices. Dedicated to solving the toughest engineering challenges.

SOCIAL

QUICK LINKS

About ADI   Alliances

Analog Dialogue   Careers

Contact us   Investor Relations

News Room   Quality & Reliability

Sales & Distribution

LANGUAGES

English

简体中文

日本語

Русский

NEWSLETTERS

Interested in the latest news and articles about ADI products, design tools, training and events? Choose from one of our 12 newsletters that match your product area of interest, delivered monthly or quarterly to your inbox.

Sign Up

Sitemap | Privacy & Security | Terms of use

Feedback