Features and Benefits

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 Categories

Optical
- Modulator Drivers

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

Design Resources

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Sample & Buy

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Price Table Help