The HMC7144LC4 is a broadband driver amplifier for electro-absorption modulated lasers (EML) and supports data-rates up to 28.3 Gbps to meet the 100Gb Ethernet system requirements. The part provides the module designers scalable power dissipation for varying drive voltage characteristics of different modulators and the power consumption of the module can be set as low as 0.12W to 0.5W at 1.5Vpp and 2.2Vpp outputs amplitudes, respectively. The HMC7144LC4 supports wide range of supply voltages from 3.5V to 6V and delivering excellent time domain performance. The driver incorporates the unique feature, peak-detector with reference, which enables the continuous output amplitude monitoring without the need for an external high-frequency...

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.

Evaluation Kits (1)

EVAL-HMC7144LC4  |  HMC7144LC4 Evaluation Board

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.

HMC7144 Material Declaration
PCN-PDN Information
Quality And Reliability
Symbols and Footprints

Discussions

HMC7144 Discussions

Re: channel temperature vs MTTF curve and Activation Energy [eV] / HMC3653LP3BE and HMC6981LS6

Re: channel temperature vs MTTF curve and Activation Energy [eV] / HMC3653LP3BE and HMC6981LS6

All HMC7144 Discussions
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

### Evaluation Boards

Pricing displayed is based on 1-piece.

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<th>Model</th>
<th>Description</th>
<th>RoHS</th>
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<tr>
<td>EVAL01-HMC7144LC4</td>
<td>HMC7144LC4 Evaluation Board</td>
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</table>

Pricing displayed is based on 1-piece. The USA list pricing shown is for budgetary use only, shown in United States dollars (FOB USA per unit), and is subject to change. International prices may vary due to local duties, taxes, fees and exchange rates.
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