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HMC7144

28 Clips EMI, Driver w/ Peak-Detector

Recommended for New Design

[Features and Benefits](#) | [Product Categories](#)

[To request data sheet and for additional information, please contact \[RFAGS-A@analog.com\]\(mailto:RFAGS-A@analog.com\)](#)

Product Details
 The HMC7144LC4 is a broadband driver amplifier for electro-absorption modulated lasers (EML), and supports data-rates up to 28.3 Clips to meet the 10GbE 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 output amplitudes, respectively. The HMC7144LC4 supports wide range of supply voltage from 1.5V to 3V 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 ... [Show More](#)

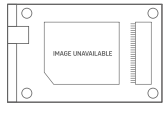
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Product Lifecycle

Recommended for New Design

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

Evaluation Kits (1)



Product Details
 This page contains ordering information for evaluating the HMC7144LC4.

[View Detailed Evaluation Kit Information](#)

Design Resources

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[HMC7144 Material Declaration](#)
[PCN/PCN Information](#)
[Quality And Reliability](#)
[Symbols and Footprints](#)

Discussions

HMC7144 Discussions
[Re: Channel temperature vs MTF curve and Activation Energy \(MJ\) / HMC7050LP3SE and HMC6851LSE](#)
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Sample & Buy

Model	Package	Price	Temp Range	Reflow Cfg	Price (1000)	Price (10000)	RoHS	Order from Analog Devices
HMC7144LC4	24 WLCSP	24	-40 to 87°C	Reel, 50	-	-	Y ✓ RoHS	Samples Purchase
HMC7144LC4TR	24 WLCSP	24	-40 to 87°C	Reel, 100	-	-	Y ✓ RoHS	Purchase
HMC7144LC4R2	24 WLCSP	24	-40 to 87°C	Reel, 500	-	-	Y ✓ RoHS	Purchase

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Evaluation Boards

Pricing displayed is based on 1 piece.

Model	Description	RoHS
EVAL-HMC7144LC4	HMC7144LC4 Evaluation Board	Yes

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