

RF Amp Single Power Amp 24GHz 5.5V 24-Pin CLLCC EP T/R

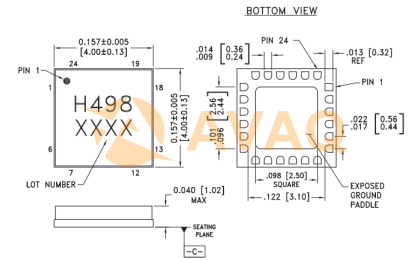
Manufacturer: [Analog Devices, Inc](#)

Package/Case: QFN

Product Type: Amplifier ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active



Images are for reference only

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General Description

The HMC498LC4 is a high dynamic range GaAs PHEMT MMIC Medium Power Amplifier housed in a leadless “Pb free” SMT package. Operating from 17 to 24 GHz, the amplifier provides 22 dB of gain, +26 dBm of saturated power and 23% PAE from a +5V supply voltage. Noise figure is 4 dB while output IP3 is +36 dBm typical enabling the HMC498LC4 to function as a low noise front end as well as a driver amplifier. The RF I/Os are DC blocked and matched to 50 Ohms for ease of use. The HMC498LC4 eliminates the need for wire bonding, allowing use of surface mount manufacturing techniques.

Key Features

36dBm Output IP3

26dBm at 23% PAE Saturated power

5V at 250mA Supply

50R Matched input/output

Application

Wireless, Communications & Networking, Aerospace, Defence, Military

