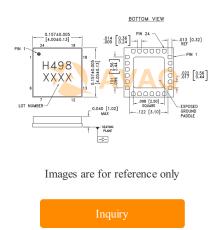


# RF Amp Single Power Amp 24GHz 5.5V 24-Pin CLLCC EP T/R

Manufacturer:	Analog Devices, Inc
Package/Case:	QFN
Product Type:	Amplifier ICs
RoHS:	RoHS Compliant/Lead free RoHS
Lifecycle:	Active

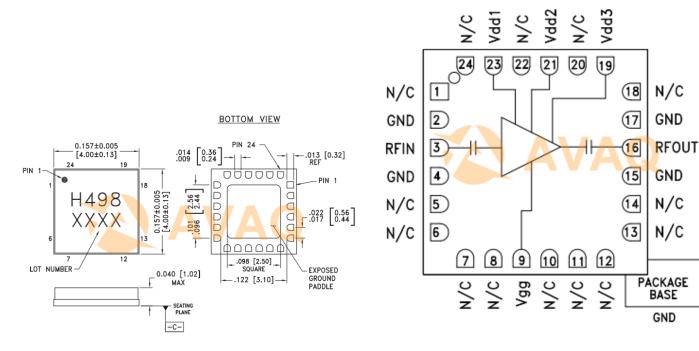


### **General Description**

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	Application
36dBm Output IP3	Wireless, Communications & Networking, Aerospace, Defence, Military
26dBm at 23% PAE Saturated power	
5V at 250mA Supply	
50R Matched input/output	

# **Functional Diagram**



#### **Recommended For You**

Analog Devices, Inc QFN24

HMC624ALP4E

#### HMC253AQS24E

Analog Devices, Inc

QFN

#### HMC659LC5

Analog Devices, Inc QFN

#### HMC1021LP4E

Analog Devices, Inc QFN

HMC662LP3E Analog Devices, Inc QFN

## HMC952ALP5GE Analog Devices, Inc QFN

HMC346MS8G Analog Devices, Inc

MSOP8

HMC909LP4E Analog Devices, Inc QFN

HMC241AQS16E Analog Devices, Inc SSOP16

HMC8038LP4CE Analog Devices, Inc QFN16 HMC361S8GE Analog Devices, Inc

SOP-8

#### HMC1119LP4ME

Analog Devices, Inc QFN

HMC564LC4

Analog Devices, Inc QFN

### HMC424LP3E

Analog Devices, Inc QFN

HMC363S8G Analog Devices, Inc SOP8