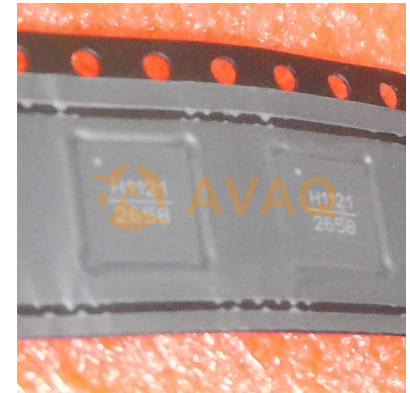



RF Amp Single Power Amp 8.5GHz 7.5V 40-Pin LFCSP EP Cut Tape



Images are for reference only

Inquiry

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

General Description

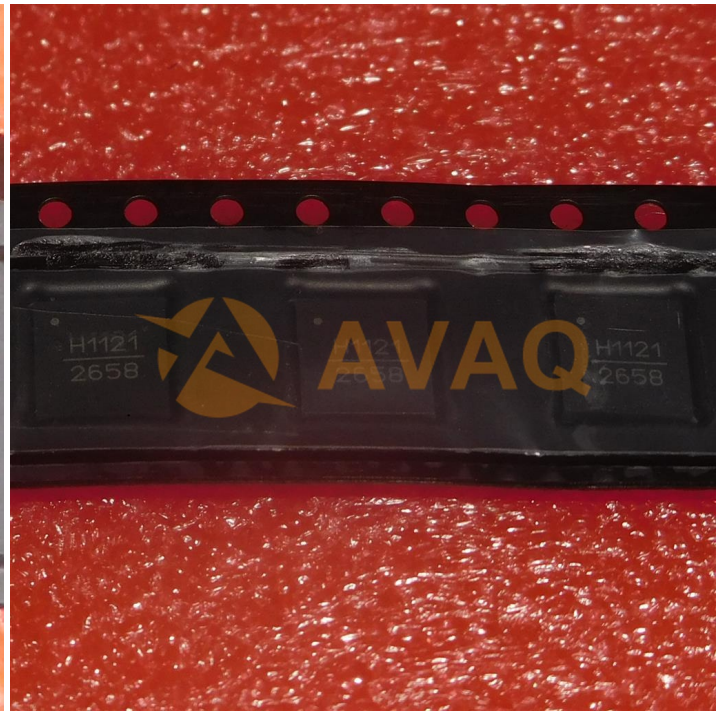
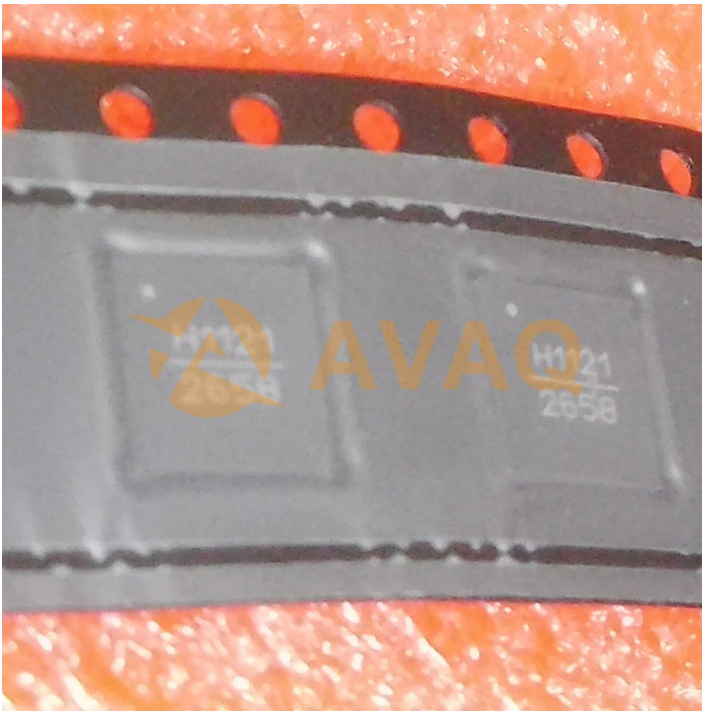
The HMC1121 is a three-stage, gallium arsenide (GaAs), pseudomorphic high electron mobility transfer (pHEMT), monolithic microwave integrated circuit (MMIC), 4 W power amplifier with an integrated temperature compensated on-chip power detector that operates between 5.5 GHz and 8.5 GHz. The HMC1121 provides 28 dB of gain, 44 dBm output IP3, and 36.5 dBm of saturated output power at 30% PAE from a 7 Vpower supply. The HMC1121 exhibits excellent linearity and it is optimized for high capacity, point to point and point to multipoint radio systems. The amplifier configuration and high gain make it an excellent candidate for last stage signal amplification preceding the antenna. Ideal for supporting higher volume applications, the HMC1121 is provided in a 40-lead LFCSP package.

Key Features

- High saturated output power (PSAT): 36.5 dBm at 30% power added efficiency (PAE)
- High output third-order intercept (IP3): 44 dBm typical
- High gain: 28 dB typical
- High output power for 1 dB compression (P1dB): 36 dBm typical
- Total supply current: 2200 mA at 7 V
- 40-lead, 6 mm × 6 mm LFCSP package: 36 mm²

Application

- Point to point radios
- Point to multipoint radios
- Very small aperture terminals (VSATs) and satellite communications (SATCOMs)
- Military electronic warfare (EW) and electronic counter measures (ECM)



Recommended For You

HMC624ALP4E

Analog Devices, Inc

QFN24

HMC952ALP5GE

Analog Devices, Inc

QFN

HMC361S8GE

Analog Devices, Inc

SOP-8

HMC253AQS24E

Analog Devices, Inc

QFN

HMC346MS8G

Analog Devices, Inc

MSOP8

HMC1119LP4ME

Analog Devices, Inc

QFN

HMC659LC5

Analog Devices, Inc

QFN

HMC909LP4E

Analog Devices, Inc

QFN

HMC564LC4

Analog Devices, Inc

QFN

HMC1021LP4E

Analog Devices, Inc

QFN

HMC241AQS16E

Analog Devices, Inc

SSOP16

HMC424LP3E

Analog Devices, Inc

QFN

HMC662LP3E

Analog Devices, Inc

QFN

HMC8038LP4CE

Analog Devices, Inc

QFN16

HMC363S8G

Analog Devices, Inc

SOP8