HMC519

RF Amp Single LNA 32GHz 5.5V 8-Pin Die Tray

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

Images are for reference only

Inquiry

General Description

The HMC519 chip is a high dynamic range GaAsPHEMT MMIC Low Noise Amplifier (LNA) whichcovers the 18 to 32 GHz frequency range. TheHMC519 provides 15 dB of small signal gain, 2.8 dBof noise figure and has an output IP3 greater than23 dBm. The chip can easily be integrated into hybridor MCM assemblies due to its small size. All datais tested with the chip in a 50 Ohm test fixture connectedvia 0.075 mm (3 mil) ribbon bonds of minimallength 0.31 mm (12 mil). Two 0.025 mm (1 mil) diameterbondwires may also be used to make the RFIN andRFOUT connections.

Key Features

Noise Figure: 2.8 dB

Gain: 15 dB

OIP3: 23 dBm

Single Supply: +3V @ 65 mA

50 Ohm Matched Input/Output

Die Size: 2.27 × 1.32 × 0.1 mm

Application

Point-to-Point Radios

Point-to-Multi-Point Radios & VSAT

Test Equipment & Sensors

Military & Space

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