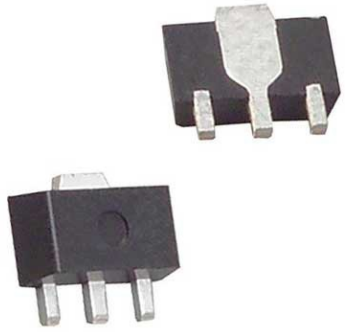
ADL5602ARKZ-R7

RF Amp Single Broadband Amp 4GHz 5.5V 4-Pin(3+Tab) SOT-89 T/R

Manufacturer:	Analog Devices, Inc
Package/Case:	SOT89
Product Type:	Amplifier ICs
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active



Images are for reference only

Inquiry

General Description

The ADL5602 provides the highest dynamic range available from an internally matched gain block. This is accomplished by providing extremely low noise figures and very high OIP3 specifications simultaneously, across the entire 4 GHz frequency range.

The ADL5602 provides a gain of 20 dB, which is stable over frequency, temperature, power supply, and from device to device. The device is internally matched to 50 Ω at the input and output, making the ADL5602 very easy to implement in a wide variety of applications. Only input/output ac coupling capacitors, power supply decoupling capacitors, and an external inductor are required for operation.

The ADL5602 is fabricated on an InGaP HBT process and has an ESD rating of ±1.5 kV (Class 1C). The device is available in a thermally efficient SOT-89 package.

The ADL5602 consumes 89 mA on a single 5 V supply and is fully specified for operation from −40°C to +85°C.

A fully populated RoHS-compliant evaluation board is available.

Key Features

Highest dynamic range gain block

Input/output internally matched to 50R

Integrated bias control circuit

42.0dBm at 2.0GHz OIP3

19.3dBm at 2.0GHz P1dB

3.3dB at 2.0GHz Noise figure

Single 5V power supply

Low quiescent current of 89mA

Recommended For You

ADF4153BCPZ

Analog Devices, Inc

QFN

ADF5355BCPZ

Analog Devices, Inc

LFCSP32

AD8318ACPZ

Analog Devices, Inc

LFCSP

AD6620ASZ

Analog Devices, Inc

QFP

ADF4107BCPZ

Analog Devices, Inc

QFN

ADL5513ACPZ-R7

Analog Devices, Inc

LFCSP-16

AD8319ACPZ

Analog Devices, Inc

LFCSP

ADRF6755ACPZ

Analog Devices, Inc

QFN

ADL5535ARKZ-R7

Analog Devices, Inc

SOT89

AD608AR

Analog Devices, Inc

SOP16

ADF4107BRUZ-REEL7

Analog Devices, Inc

TSSOP16

ADRF6780ACPZN

Analog Devices, Inc

QFN

AD8317ACPZ

Analog Devices, Inc

LFCSP

AD608ARZ

Analog Devices, Inc

SOP16

AD8318ACPZ-REEL7

Analog Devices, Inc

LFCSP