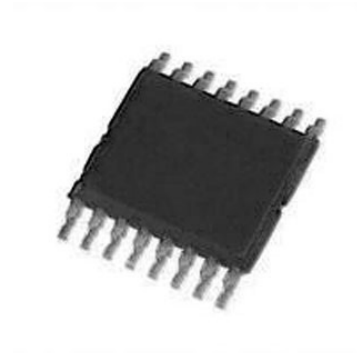


750MHz Digitally Controlled Variable Gain Amplifier; Package: TSSOP_EP (3.0mm pad size); No of Pins: 16; Temperature Range: Industrial

Manufacturers	Analog Devices, Inc
Package/Case	TSSOP-16
Product Type	Amplifier ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD8370AREZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD8370 is a high performance, digitally controlled variable gain amplifier, designed to be used at IF frequencies within communication infrastructure equipment.

The part provides two gain control ranges that are controlled through a three wire digital interface, and allow the user to attain fine gain control for maximum receiver sensitivity.

The AD8370 has been fully specified for operation at common wireless IF frequencies 70 / 140 / 190 / 240 / 380MHz. The high output compression and fine gain control adjustability makes the AD8370 an ideal choice for to be used within digital receiver AGC circuits for GSM / CDMA2000 / W-CDMA cellular base stations.

The AD8370 is fabricated on an advanced silicon bipolar process, operating on a single 3 or 5 volt supply, packaged in space saving 16-lead thin shrunk small outline (TSSOP) package and fully specified over the -40 to +85 C temperature range.

Availability

Samples AD8370ARU and an evaluation boards AD8370-EVAL are available.

Other Wireless VGA products:

AD8367 -45dB, 500MHz Single Ended, Analog Controlled VGA

AD8369 -45dB, 600MHz Differential, 3dB Step Digitally Controlled VGA

Features

Low Frequency to 750MHz (-3dB bandwidth)

Output 1dB Compression Point +15.8dBm (70MHz)

Noise Figure 7dB

Single Supply 3V to 5V with Power Down

Fully Differential input and outputs

Three Wire Serial Digital Interface

Two Pin Selectable Gain Ranges, Low Range -11dB to +17dB High Range +6dB to +34dB

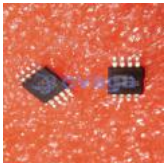
Output Third Order Interference +35dBm (70MHz)

Related Products



[AD8418BRMZ-RL](#)

Analog Devices, Inc
MSOP-8



[ADA4084-2ARMZ](#)

Analog Devices, Inc
MSOP-8



[AD8567ARUZ](#)

Analog Devices, Inc
TSSOP-14



[AD8022ARMZ](#)

Analog Devices, Inc
MSOP-8



[ADA4528-2ARMZ-R7](#)

Analog Devices, Inc
MSOP-8



[AD8062ARMZ](#)

Analog Devices, Inc
MSOP8



[AD8628AUJZ](#)

Analog Devices, Inc
SOP23



[AD8041AR](#)

Analog Devices, Inc
SOP-8