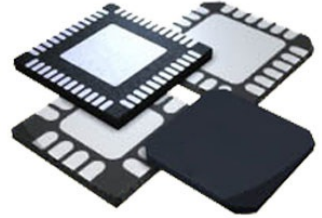


5Bit 0.25dBStep 7.75dB 4GHz 16-Pin LFCSP EP T/R



Images are for reference only

[Inquiry](#)

Manufacturer:	Analog Devices, Inc
Package/Case:	QFN
Product Type:	RF Integrated Circuits
Lifecycle:	Active

General Description

The HMC539ALP3/539ALP3E is a broadband 5-bit GaAs IC digital attenuator in a low cost leadless surface mount package. This single positive control line per bit digital attenuator utilizes an offchip AC ground capacitor for near DC operation, making it suitable for a wide variety of RF and IF applications. Covering DC to 4 GHz, the insertion loss is less than 0.7 dB typical. The attenuator bit values are 0.25 (LSB), 0.5, 1, 2, and 4 dB for a total attenuation of 7.75 dB. Attenuation accuracy is excellent at ± 0.05 dB typical step error. The attenuator also features a high IIP3 of +62 dBm. Five TTL/CMOS control inputs are used to select each attenuation state. A single Vdd bias of +3V to +5V is required.

Key Features

- 0.25 dB LSB steps to 7.75 dB
- Low insertion loss: 0.7 dB
- High IP3: +62 dBm
- Single control line per bit
- TTL/CMOS compatible control
- Single +3V to +5V supply
- 3x3 mm SMT package

Application

- Cellular infrastructure
- ISM, MMDS, WLAN, WiMAX, WiBro
- Microwave radio and VSAT
- Test equipment and sensors

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