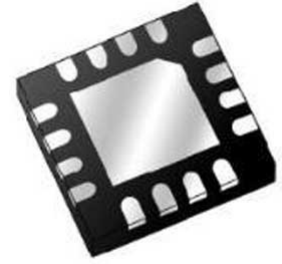


Prescaler 3.3V Divide By 1/2/3/4 6000MHz 16-Pin LFCSP EP T/R



Images are for reference only

[Inquiry](#)

Manufacturer: [Analog Devices, Inc](#)

Package/Case: QFN-16

Product Type: RF Integrated Circuits

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The HMC905LP3E is a SiGe BiCMOS low noise programmable frequency divider in a 3x3 mm leadless surface mount package. The circuit can be programmed to divide from = 4 in the 400 MHz to 6 GHz input frequency range. The high level output power (up to 6 dBm single ended) with a very low SSB phase noise and 50% duty cycle makes this device ideal for low noise clock generation, LO generation and LO drive applications. Configurable bias and output power controls allow current consumption and output power control. The device incorporates a power down feature, good input to output isolation and fast start up time. The HMC905LP3E can be included into fast switching "ping-pong" applications.

Key Features

Low Noise Floor: -164 dBc/Hzat 10 MHz Offset for>

Programmable FrequencyDivider,>

Input Frequency Range: 400 MHz to 6 GHz

Output Power up to +6 dBm

Sleep Mode: Consumes <1 μ A

16 Lead 3x3mm SMT Package: 9mm²

Application

LO Generation with Low Noise Floor

Software Defined Radios

Clock Generators

Fast Switching Synthesizers

Military Applications

Test Equipment

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