



Data Sheet

**RFO** 

GaAs MMIC Fundamental Mixer, 6 - 26 GHz

Manufacturers Analog Devices, Inc

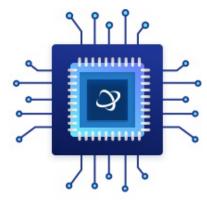
Package/Case CHIPS OR DIE

Product Type RF Integrated Circuits

RoHS

Lifecycle

Please submit RFQ for HMC773A or Email to us: sales@ovaga.com We will contact you in 12 hours.



Images are for reference only

## **General Description**

The HMC773A is a general-purpose, double balanced mixer chip that can be used as an upconverter or downconverter from 6 GHz to 26 GHz. This mixer requires no external components or matching circuitry.

The HMC773A provides excellent local oscillator (LO) to radio frequency (RF) and LO to intermediate frequency (IF) suppression due to optimized balun structures. The mixer operates well with LO drive levels of 13 dBm or greater. The HMC773A is also available in surface-mount technology format as the HMC773ALC3B.

## **Features**

Downconverter

Conversion loss: 10 dB (typical)

LO to RF isolation: 39 dB (typical)

LO to IF isolation: 33 dB (typical)

RF to IF isolation: 18 dB (typical)

Input IP3: 21 dBm (typical)

Input IP2: 46 dBm (typical)

P1dB: 12 dBm (typical)

IF bandwidth: dc to 10 GHz

Passive: no dc bias required

Small size: 1.290 mm × 0.880 mm × 0.102 mm

## **Application**

Point to point radios

Point to multipoint radios and very small aperture terminals (VSATs)

Test equipment and sensors

Military end use

## **Related Products**



HMC3653LP3BE
Analog Devices, Inc

QFN-12



<u>HMC253AQS24</u>

Analog Devices, Inc

24-SSOP (0.154, 3.90mm Width)



HMC358MS8GE

Analog Devices, Inc

MSOP-8



**HMC453ST89E** 

Analog Devices, Inc

ST89E



**HMC441LP3E** 

Analog Devices, Inc

QFN-16



HMC948LP3E

Analog Devices, Inc

LP3



**HMC490** 

Analog Devices, Inc

**SMD** 



HMC618ALP3E

Analog Devices, Inc

QFN-16