

MMIC VCO w/ BUFFER AMPLIFIER, 5.8

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	MSOP-8
Product Type	RF Integrated Circuits
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for HMC358MS8GE or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The HMC358MS8G(E) is a GaAs InGaP Heterojunction Bipolar Transistor (HBT) MMIC VCO. The HMC358MS8G(E) integrates resonators, negative resistance devices, varactor diodes, and buffer amplifiers. The VCO's phase noise performance is excellent over temperature, shock, and process due to the oscillator's monolithic structure. Power output is 11 dBm typical from a 3V supply voltage. The voltage controlled oscillator is packaged in a low cost, surface mount 8 lead MSOP package with an exposed base for improved RF and thermal performance.

### Applications

UNII & Point-to-Point Radios

802.11a & HiperLAN WLAN

VSAT Radios

## Features

Pout: +11 dBm

Phase Noise: -110 dBc/Hz @100 KHz

No External Resonator Needed

Single Supply: 3V @ 100 mA

15 mm<sup>2</sup> MSOP8G SMT Package

## Application

UNII & Point-to-Point Radios

802.11a & HiperLAN WLAN

VSAT Radios



## Related Products



### [HMC3653LP3BE](#)

Analog Devices, Inc  
QFN-12



### [HMC253AQS24](#)

Analog Devices, Inc  
24-SSOP (0.154, 3.90mm Width)



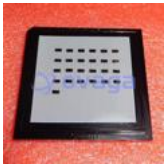
### [HMC441LP3E](#)

Analog Devices, Inc  
QFN-16



### [HMC948LP3E](#)

Analog Devices, Inc  
LP3



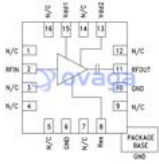
### [HMC490](#)

Analog Devices, Inc  
SMD



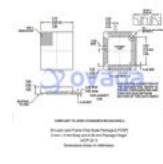
### [HMC453ST89E](#)

Analog Devices, Inc  
ST89E



### [HMC618ALP3E](#)

Analog Devices, Inc  
QFN-16



### [HMC463LP5E](#)

Analog Devices, Inc  
QFN-32