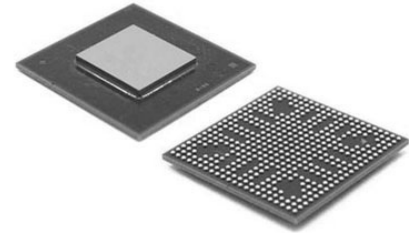


>1.5 W (34 dBm), 24 GHz to 34 GHz, GaAs, pHEMT, MMIC, Power Amplifier

Manufacturers	Analog Devices, Inc
Package/Case	32-Lead LFCSP (5mm x 5mm w/ EP)
Product Type	Amplifier ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for HMC943APM5E or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HMC943APM5E is a four stage, gallium arsenide (GaAs), pseudomorphic high electron mobility transistor (pHEMT), monolithic microwave integrated circuit (MMIC), >1.5 W power amplifier that operates between 24 GHz to 34 GHz. The HMC943APM5E provides 23 dB of gain, 34 dBm of saturated output power (PSAT), and 23% power added efficiency (PAE) from a 5.5 V supply. The high output third-order intercept (IP3) of 39 dBm makes the HMC943APM5E ideal for microwave radio applications. A power detector output is also available. The HMC943APM5E amplifier input/outputs (I/Os) are internally matched to 50 Ω. The device is packaged in a leadless, 5 mm × 5 mm, surface-mount LFCSP_CAV package, and requires no external matching components.

Features

High saturated output power (PSAT): 34 dBm Point to point radios

High output IP3: 39 dBm

High gain: 23 dB

DC supply: 5.5 V at 1300 mA

No external matching required

32-lead, 5 mm × 5 mm LFCSP_CAV package

Application

Point to multipoint radios

Microwave radios, very small aperture terminals (VSATs), and satellite communications (SATCOM)

Military and space

Related Products



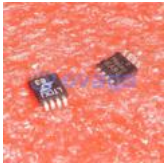
[HMC591LP5E](#)

Analog Devices, Inc
QFN32



[HMC589AST89E](#)

Analog Devices, Inc
SOT-89



[LTC6102HMS8#PBF](#)

Analog Devices, Inc
8MSOP



[HMC464LP5](#)

Analog Devices, Inc
QFN32



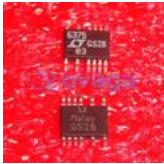
[HMC902LP3E](#)

Analog Devices, Inc
QFN-16



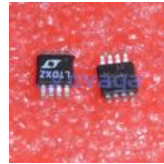
[LTC6102HMS8](#)

Analog Devices, Inc
MSOP8



[LT6375HMS#PBF](#)

Analog Devices, Inc
16MSOP



[LTC6102HMS8-1#PBF](#)

Analog Devices, Inc
8-MSOP