

RF Amplifier IC, 13 dB Gain/ 5 dB Noise, DC to 8 GHz, 5 V, SC-70-6

Manufacturers	Analog Devices, Inc
Package/Case	SOP6
Product Type	Amplifier ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for HMC311SC70E or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HMC311SC70(E) is a GaAs InGaP Heterojunction Bipolar Transistor (HBT) Gain Block MMIC SMT DC to 8 GHz amplifier. Packaged in an industry standard SC70, the amplifier can be used as either a cascadable 50 Ohm gain stage or to drive the LO port of HMC mixers with up to +15 dBm output power. The HMC311SC70(E) offers 15 dB of gain and an output IP3 of +30 dBm while requiring only 54 mA from a +5V supply. The Darlington topology results in reduced sensitivity to normal process variations, and yields excellent gain stability over temperature while requiring a minimal number of external bias components.

Features

- Gain: 15 dB
- P1dB Output Power: +15 dB
- Output IP3: +30 dBm
- Cascadable 50 Ohm I/Os
- Single Supply: +5V
- Industry Standard SC70 Package

Application

- Cellular / PCS / 3G
- WiBro / WiMAX / 4G
- Fixed Wireless & WLAN
- CATV, Cable Modem & DBS
- Microwave Radio & Test Equipment

Related Products



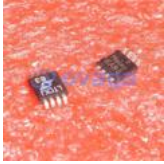
[HMC591LP5E](#)

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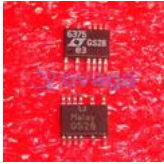
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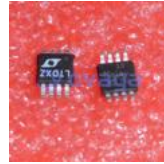
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