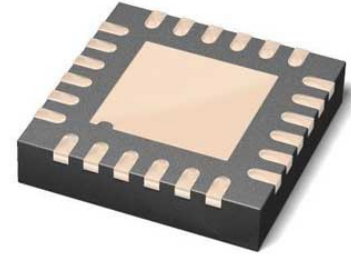


RF Amplifier IC, 40 dB Gain / 6 dB Noise, DC to 100 MHz, 4.5 V to 5.5 V, HQFN-24

Manufacturers	Analog Devices, Inc
Package/Case	QFN-24
Product Type	RF Amplifiers
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for HMC960LP4E or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HMC960LP4E is a digitally programmable dual channel variable gain amplifier. It supports discrete gain steps from 0 to 40 dB in precise 0.5 dB steps. It features a glitch free architecture to provide exceptionally smooth gain transitions. The device has matched gain paths which provide excellent quadrature balance over a wide signal bandwidth.

The HMC960LP4E provides an SPI programmable input impedance of 100Ω differential or 400Ω differential (default).

Externally controlled common mode output feature enables the HMC960LP4E to provide a flexible output interface to other parts in the signal path. Gain can be controlled via either a parallel interface (GC[6:0]) or via the read/write serial port (SPI).

Housed in a compact 4x4mm (LP4) SMT QFN package, the HMC960LP4E requires minimal external components and provides a low cost alternative to more complicated switched amplifier architectures.

