
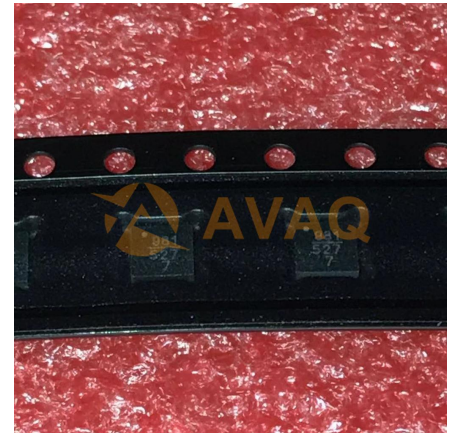


Active Bias Controller 16-Pin LFCSP EP Cut Tape

Manufacturer:	<u>Analog Devices, Inc</u>
Package/Case:	QFN-16
Product Type:	Power Management ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

HMC981LP3E is an active bias controller that automatically adjusts the gate voltage of an external amplifier to achieve constant bias current. It can be used to bias any enhancement and depletion type amplifiers operating in Class-A regime with Drain voltages from 4V to 12V and drain currents up to 200mA, offering a complete biasing solution.

HMC981LP3E achieves excellent bias stability over supply, temperature and process variations, and eliminates the required calibration procedures usually employed to prevent RF performance degradation due to such variations.

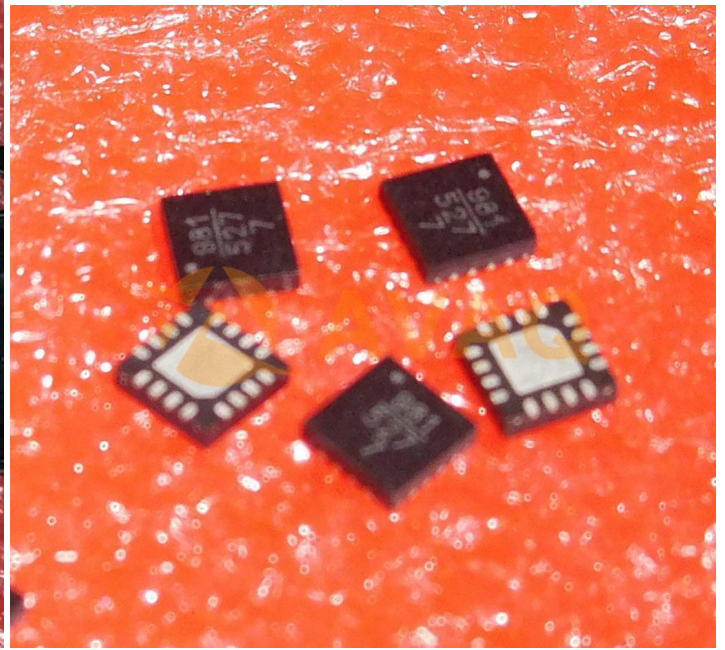
The HMC981LP3E is housed in an RoHS compliant 3x3 mm QFN leadless package with an exposed backside pad to improve thermal characteristics.

Key Features

- Automatic Gate voltage adjustment (No Calibration required)
- Supply Voltage: 4V to 12V
- Digital Voltage: 3.3V to 5V
- Controls both Enhancement and Depletion type devices
- Adjustable Drain Current up to 200mA
- Sink/Source Gate Current Capability
- Optional Internal negative voltage generation that can be disabled to use external negative rail
- Fast Enable/Disable
- Trigger-out Output for Daisy Chain Power-Up and Power-Down Sequencing
- 16 Lead 3x3 mm SMT Package: 9 mm²

Application

- Microwave Radio & VSAT
- Military & Space
- Test Instrumentation
- Fiber Optic Modulator Driver Biasing
- CATV Laser Driver Biasing



Recommended For You

HMC980LP4E

Analog Devices, Inc

QFN

LTC3260HMSE#PBF

Analog Devices, Inc

MSOP16

LTC4359HMS8#PBF

Analog Devices, Inc

MSOP8

LTC4359HMS8#TRPBF

Analog Devices, Inc

MSOP8

LTC4357HMS8#PBF

Analog Devices, Inc

MSOP-8

HMC920LP5E

Analog Devices, Inc

QFN-32

LT3645HMSE#PBF

Analog Devices, Inc

MSOP

LT8312HMS#PBF

Analog Devices, Inc

MSOP

LT4320HMSE#PBF

Analog Devices, Inc

MSOP12

HMC920LP5EIR

Analog Devices, Inc

32-QFN5x5

LTC3245HMSE#PBF

Analog Devices, Inc

MSOP12

LTC1871HMS

Analog Devices, Inc

MSOP10

LTC4359HMS8#WPBF

Analog Devices, Inc

MSOP-8

LTC4359HMS8#WTRPBF

Analog Devices, Inc

MSOP

HMC980LP4ETR

Analog Devices, Inc

QFN