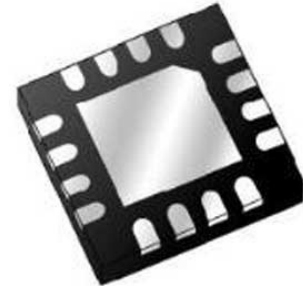


Linear Voltage Regulator, 400mA, Adjustable, 5 V, 2% 16-Pin, QFN

Manufacturers	Analog Devices, Inc
Package/Case	QFN-16
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for HMC976LP3E or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HMC976LP3E is a BiCMOS ultra low noise linear voltage regulator. The high Power Supply Rejection Ratio (PSRR) in the 0.1 MHz to 10 MHz range provides excellent rejection of any preceding switching regulator or other power supply noise. The voltage output is ideal for frequency generation subsystems including Hittite's broad line of PLLs with integrated VCOs. The output voltage can be adjusted lower than the default value by using one external resistor.

The output can be set to 5V by grounding the HV pin. The regulator can be powered down by the TTL-compatible Enable input. The HMC976LP3E is housed in a 3x3mm QFN SMT package.

Features

High Current 400mA

Low Dropout: 300mV at 400mA Output

Ultra Low Noise: 3nV/ $\sqrt{\text{Hz}}$ at 10 kHz, 6nV/ $\sqrt{\text{Hz}}$ at 1 kHz

High Power Supply Rejection Ratio(PSRR): <60 dB at 1 kHz, <30 dB at 1 MHz

Adjustable Voltage Output: VR 1.8 to 5V at 400mA

Works with Low ESR Ceramic Capacitors

Low Power-Down Current: <1 μA

Thermal Protection

16 Lead 3 x 3 mm SMT Package: 9 mm²

Application

Test Instrumentation

Military Radios, Radar and ECM

Basestation Infrastructure

Ultra Low Noise Frequency Generation

Fractional-N Synthesizer Supply

Mixed-Signal Circuit Supply

Related Products



[HMC1060LP3ETR](#)

Analog Devices, Inc
QFN16



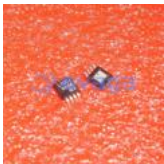
[LTC6655CHMS8-1.25#PBF](#)

Analog Devices, Inc
MSOP8



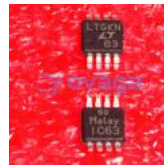
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Analog Devices, Inc
MSOP8



[LT3580HMS8E#TRPBF](#)

Analog Devices, Inc
MSOP-8



[LT6657AHMS8-2.5#PBF](#)

Analog Devices, Inc
MSOP-8



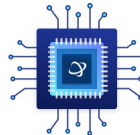
[LTC6655BHMS8-1.25#PBF](#)

Analog Devices, Inc
8MSOP



[LTC6652AHMS8-2.048#PBF](#)

Analog Devices, Inc
MSOP8



[HMC981](#)

Analog Devices, Inc
Die