LT6003HS5#TRMPBF

Data Sheet

LINEAR TECHNOLOGY LT6003HS5#TRMPBF Operational Amplifier, Single, 1 Amplifier, 3kHz, 0.0013V/µs, 1.6V to 16V, TSOT-23, 5Pins

Manufacturers	Analog Devices, Inc
Package/Case	TSOT23
Product Type	Amplifier ICs
RoHS	Pb-free Halide free
Lifecycle	

Images are for reference only

Please submit RFQ for LT6003HS5#TRMPBF or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The LT6003/LT6004/LT6005 are single/dual/quad op amps designed to maximize battery life and performance for portable applications. These amplifiers operate on supplies as low as 1.6V and are fully specified and guaranteed over temperature on 1.8V, 5V and ±8V supplies while only drawing 1µA maximum quiescent current.

The ultralow supply current and low operating voltage are combined with excellent amplifier specifications; input offset voltage of 500µV maximum with a typical drift of only 2µV/°C, input bias current of 90pA maximum, open loop gain of 100,000 and the ability to drive 500pF capacitive loads, making the LT6003/LT6004/LT6005 amplifiers ideal when excellent performance is required in battery powered applications.

The single LT6003 is available in the 5-pin TSOT-23 and tiny 2mm × 2mm DFN packages. The dual LT6004 is available in the 8-pin MSOP and 3mm × 3mm DFN packages. The quad LT6005 is available in the 16-pin TSSOP and 5mm × 3mm DFN packages. These devices are specified over the commercial, industrial and automotive temperature ranges.

Features

Wide Supply Range: 1.6V to 16V

Low Supply Current: 1μA/Amplifier Max

Low Input Bias Current: 90pA Max

Low Input Offset Voltage: 500μV Max

Low Input Offset Voltage Drift: 2μV/°C

CMRR: 100dB

PSRR: 95dB

AVOL Driving 20kΩ Load: 100,000 Min

Capacitive Load Handling: 500pF

Specified from -40°C to 125°C

Available in Tiny 2mm x 2mm DFN and Low Profile (1mm) ThinSOT™ Packages

Application

Portable Gas Monitors

Battery- or Solar-Powered Systems

Low Voltage Signal Processing

Micropower Active Filters

Related Products

LTC1151CSW#PBF

Analog Devices, Inc

SOIC-16

LT1498CS8

Analog Devices, Inc

SOP-8

[LTC2053CMS8]

Analog Devices, Inc

MSOP8

[LTC1150CN8]

Analog Devices, Inc

DIP8

[LT1491ACS]

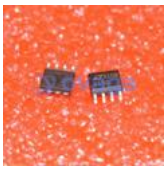
Analog Devices, Inc

SOP14

[LT6105IMS8]

Analog Devices, Inc

MSOP-8



[LTC1150CS8]

Analog Devices, Inc

SOP8

[LT1013CN8]

Analog Devices, Inc

DIP-8