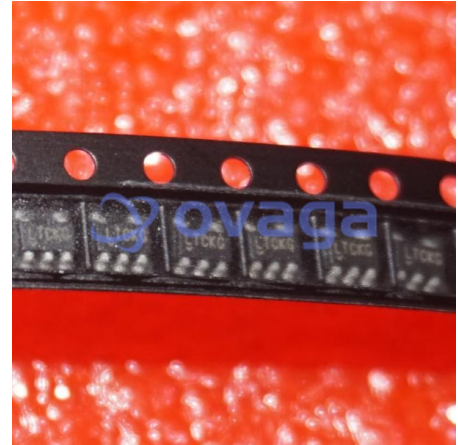


SOCKET CONNECTOR KITS (FEMALE) (PV4 B) SOLAR LOK

Manufacturers	Analog Devices, Inc
Package/Case	SOT-23
Product Type	Amplifier ICs
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for LT6003IS5#TRPBF or [Email to us: sales@ovaga.com](mailto: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 $\pm 8V$ supplies while only drawing 1 μA maximum quiescent current.

The ultralow supply current and low operating voltage are combined with excellent amplifier specifications; input offset voltage of 500 μV maximum with a typical drift of only 2 $\mu V/^\circ C$, 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 \times 2mm DFN packages. The dual LT6004 is available in the 8-pin MSOP and 3mm \times 3mm DFN packages. The quad LT6005 is available in the 16-pin TSSOP and 5mm \times 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: 1 μ A/Amplifier Max

Low Input Bias Current: 90pA Max

Low Input Offset Voltage: 500 μ V Max

Low Input Offset Voltage Drift: 2 μ V/°C

CMRR: 100dB

PSRR: 95dB

AVOL Driving 20k Ω 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

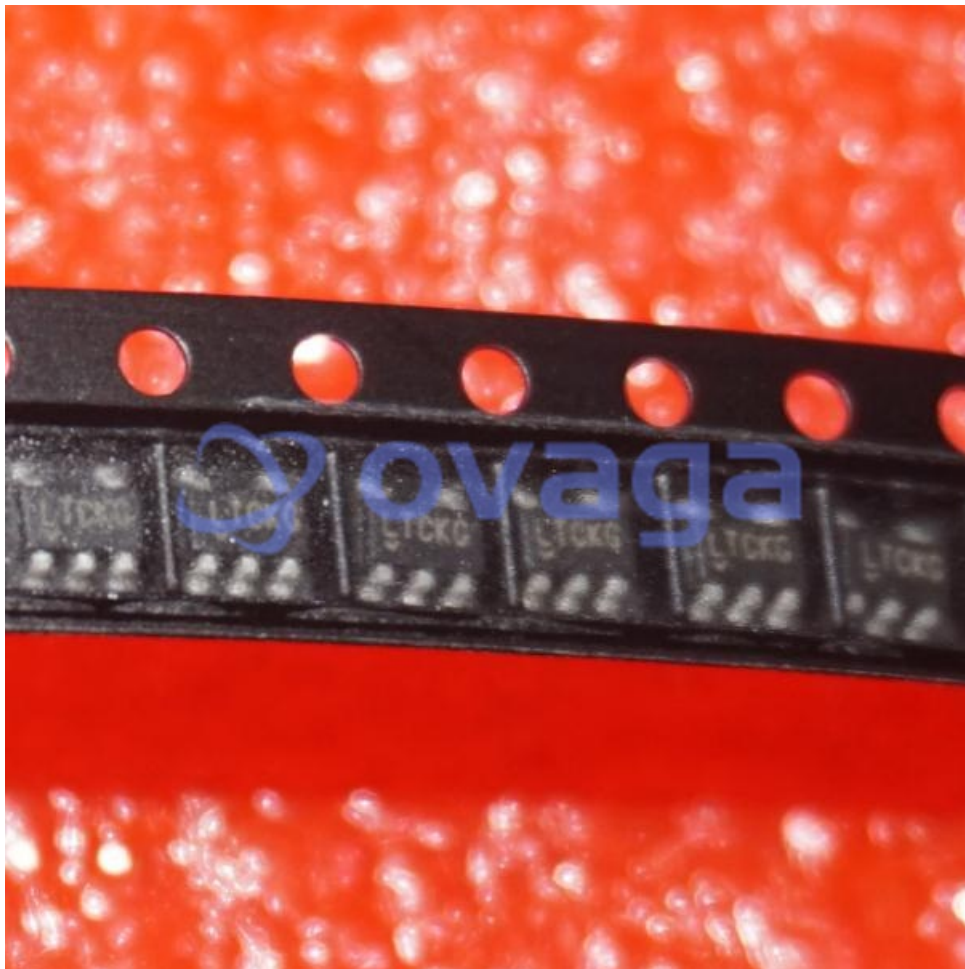
Application

Portable Gas Monitors

Battery- or Solar-Powered Systems

Low Voltage Signal Processing

Micropower Active Filters



Related Products



[LTC1151CSW#PBF](#)

Analog Devices, Inc
SOIC-16



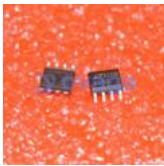
[LTC2053CMS8](#)

Analog Devices, Inc
MSOP8



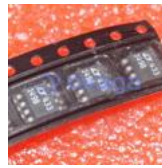
[LT1491ACS](#)

Analog Devices, Inc
SOP14



[LTC1150CS8](#)

Analog Devices, Inc
SOP8



[LT1498CS8](#)

Analog Devices, Inc
SOP-8



[LTC1150CN8](#)

Analog Devices, Inc
DIP8



[LT6105IMS8](#)

Analog Devices, Inc
MSOP-8



[LT1013CN8](#)

Analog Devices, Inc
DIP-8