

Standard Clock Oscillators Low power 10kHz - 1MHz resistor programmable osc

Manufacturers	Analog Devices, Inc
Package/Case	SOT-23
Product Type	Clock & Timer ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC6906HS6#TRMPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC6906 is a precision programmable oscillator that is versatile, compact and easy-to-use. Micropower operation benefits portable and battery-powered equipment. At 100kHz, the LTC6906 consumes 12 μ A on a 3.3V supply.

A single resistor programs the oscillator frequency over a 10:1 range with better than 0.5% initial accuracy. The output frequency can be divided by 1, 3 or 10 to span a 100:1 total frequency range, 10kHz to 1MHz.

No decoupling capacitor is needed in most cases, yielding an extremely compact solution occupying less than 20mm². Contact LTC Marketing for a version of the part with a shutdown feature or lower frequency operation.

The LTC6906 is available in the 6-lead SOT-23 (ThinSOT) package.

Features

Supply Current: 12 μ A at 100kHz

Frequency Range: 10kHz to 1MHz

One Resistor Sets the Oscillator Frequency

Single Supply: 2.25V to 5.5V

No Decoupling Capacitor Needed

Start-Up Time Under 200 μ s at 1MHz

First Cycle After Power-Up is Accurate

150 Ω CMOS Output Driver

Low Profile (1mm) SOT-23 (ThinSOT™) Package

Application

Low Cost Precision Programmable Oscillator

Rugged, Compact Micropower Replacement for Crystal and Ceramic Oscillators

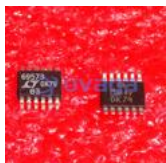
High Shock and Vibration Environments

Portable and Battery-Powered Equipment

PDA's and Cellular Phones



Related Products



[LTC6957HMS-3#PBF](#)

Analog Devices, Inc
MSOP-12



[LTC6994IS6-2#TRMPBF](#)

Analog Devices, Inc
SOT-6



[LTC1799CS5#TRMPBF](#)

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TSOT23



[LTC1799CS5#TRPBF](#)

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SMD5



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SOT-23



[LTC6902IMS#PBF](#)

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SOT23



[LTC1799IS5](#)

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SOT23-5