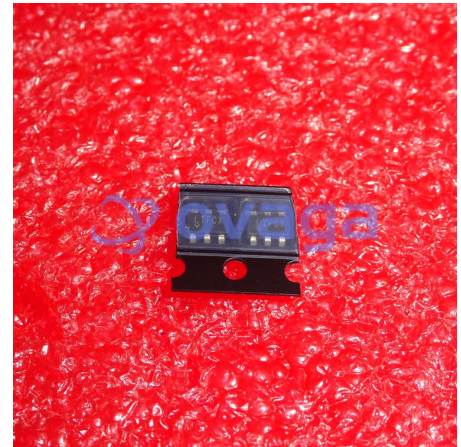


Programmable Delay Block -40C to 85C Automotive 6-Pin TSOT-23 T/R

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOT-23-6 Thin, T
Product Type	Clock & Timer ICs
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for LTC6994IS6-2#TRPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LTC6994 is a programmable delay block with a range of 1 $\mu$ s to 33.6 seconds. The LTC6994 is part of the TimerBlox® family of versatile silicon timing devices.

A single resistor, RSET, programs an internal master oscillator frequency, setting the LTC6994's time base. The input-to-output delay is determined by this master oscillator and an internal clock divider, NDIV, programmable to eight settings from 1 to 221.

The output (OUT) follows the input (IN) after delaying the rising and/or falling transitions. The LTC6994-1 will delay the rising or falling edge. The LTC6994-2 will delay both transitions, and adds the option to invert the output.

The LTC6994 also offers the ability to dynamically adjust the delay time via a separate control voltage.

## Features

Delay Range: 1 $\mu$ s to 33.6 Seconds

Configured with 1 to 3 Resistors

Delay Max Error:

Delay One or Both Rising/Falling Edges

2.25V to 5.5V Single Supply Operation

70 $\mu$ A Supply Current at 10 $\mu$ s Delay

500 $\mu$ s Start-Up Time

CMOS Output Driver Sources/Sinks 20mA

Available in Low Profile (1mm) SOT-23 (ThinSOT™) and 2mm  $\times$  3mm DFN

AEC-Q100 Qualified for Automotive Applications

## Application

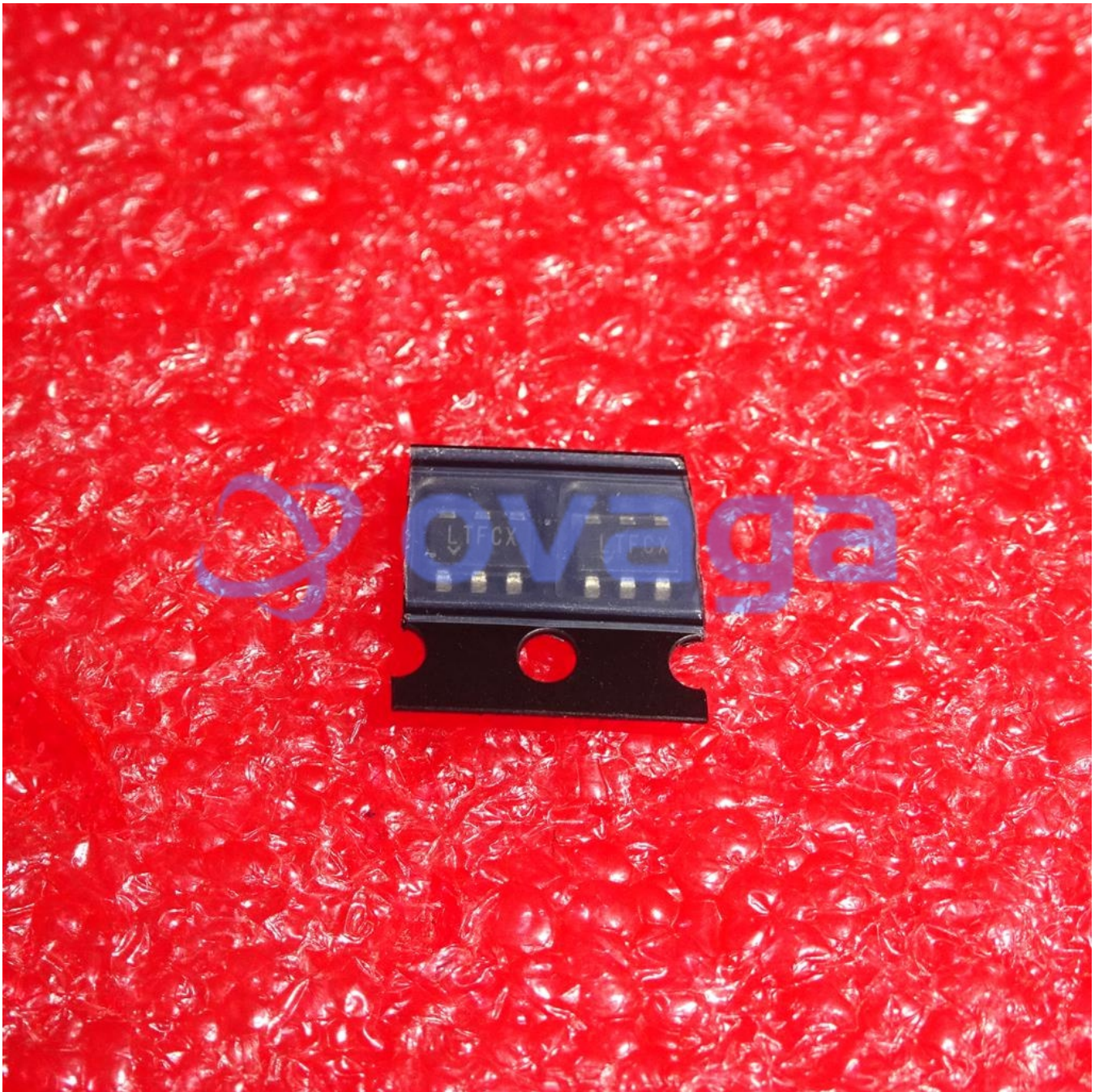
Noise Discriminators/Pulse Qualifiers

Delay Matching

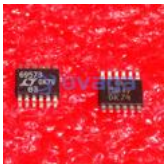
Switch Debouncing

High Vibration, High Acceleration Environments

Portable and Battery-Powered Equipment



**Related Products**



[LTC6957HMS-3#PBF](#)

Analog Devices, Inc  
MSOP-12



[LTC6994IS6-2#TRMPBF](#)

Analog Devices, Inc  
SOT-6



[LTC1799CS5#TRMPBF](#)

Analog Devices, Inc  
TSOT23



[LTC6902IMS#PBF](#)

Analog Devices, Inc  
MSOP10



[LTC1799CS5#TRPBF](#)

Analog Devices, Inc

SMD5



[LTC6906CS6#TRMPBF](#)

Analog Devices, Inc

SOT23



[LTC6906CS6](#)

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SOT-23



[LTC1799IS5](#)

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SOT23-5