LT1719CS8#PBF

Data Sheet

Analogue Comparator, Single, General Purpose, 1 Comparator, 4.5 ns, 2.7V to 10.5V, SOIC, 8 Pins

Manufacturers	Analog Devices, Inc
Package/Case	SOP8
Product Type	Comparator ICs
RoHS	Pb-free Halide free
Lifecycle	

Images are for reference only

Please submit RFQ for LT1719CS8#PBF or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The LT1719 is an UltraFast™ comparator optimized for low voltage operation. The input voltage range extends from 100mV below VEE to 1.2V below VCC. Internal hysteresis makes the LT1719 easy to use even with slow moving input signals. The rail-to-rail outputs directly interface to TTL and CMOS. Alternatively the symmetric output drive can be harnessed for analog applications or for easy translation to other single supply logic levels. A shutdown control allows for reduced power consumption and extended battery life in portable applications.

The LT1719 is available in the SO-8 and 6-lead SOT-23 package. The SO-8 package has separate supplies which allow flexible operation, accomodating separate analog input ranges and output logic levels.

For a dual/quad comparator with similar performance, see the LT1720/LT1721.

Features

UltraFast:

4.5ns at 20mV Overdrive

7ns at 5mV Overdrive

Low Power: 4.2mA at 3V

Separate Input and Output Power Supplies (SO-8 Only)

Output Optimized for 3V and 5V Supplies

TTL/CMOS Compatible Rail-to-Rail Output

Low Power Shutdown Mode: 0.1µA

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

Application

High Speed Differential Line Receiver

Crystal Oscillator Circuits

Level Translators

Threshold Detectors/Discriminators

Zero-Crossing Detectors

High Speed Sampling Circuits

Delay Lines

Related Products

LTC1042CN8

Analog Devices, Inc

DIP8

LT1017IS8#PBF

Analog Devices, Inc

SOP8

LT1720CS8

Analog Devices, Inc

SOP8

LTC1540CMS8

Analog Devices, Inc

MSOP8

LT1719CS8

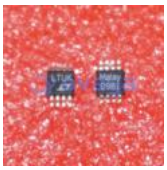
Analog Devices, Inc

SOP8

LT1018CS8

Analog Devices, Inc

SOP8



LT1713IMS8

Analog Devices, Inc

MSOP-8

LTC1540CS8

Analog Devices, Inc

SOIC8