

## High-Frequency Waveform Generator

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOP20
Product Type	Clock & Timer ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for MAX038CWP or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

MAX038CWP is a precision waveform generator integrated circuit (IC) manufactured by Maxim Integrated. It is a high-frequency function generator that can generate sine, triangle, and square waveforms with a frequency range of 0.1Hz to 20MHz. The MAX038CWP IC is designed for applications that require accurate and stable frequency and amplitude control.

## Features

- Wide frequency range: 0.1Hz to 20MHz
- High accuracy and stability:  $\pm 0.3\%$  frequency error and  $\pm 2\%$  amplitude error
- Low distortion: typically 0.1% total harmonic distortion (THD)
- Easy to use: requires only a few external components
- Adjustable output: sine, triangle, and square waveforms with variable amplitude

## Application

- Audio signal generation
- Test and measurement equipment
- Frequency synthesis for communication systems
- Signal conditioning and filtering
- Analog and digital modulation





## Related Products



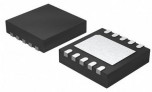
### [MAX038CPP](#)

Analog Devices, Inc  
DIP-20



### [MAX7375AXR185+T](#)

Analog Devices, Inc  
SC-70-3



### [MAX6902ETA+T](#)

Analog Devices, Inc  
TDFN-8



### [MAX9315EUP](#)

Analog Devices, Inc  
TSSOP-20



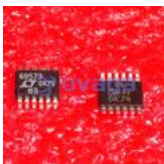
### [MAX038CWP+](#)

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### [MAX7375AXR805+T](#)

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SC-70-3



### [LTC6957HMS-3#PBF](#)

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MSOP-12



### [LTC6994IS6-2#TRMPBF](#)

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SOT-6