

Direct Digital Synthesizer 300MHz 2DAC 12Bit Parallel/Serial 80Pin LQFP

Manufacturers	Analog Devices, Inc
Package/Case	QFP80
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for AD9852ASQ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

AD9852ASQ is a high-speed DDS (Direct Digital Synthesis) chip manufactured by Analog Devices. The DDS technology allows for generating precise and stable analog waveforms from digital inputs.

Features

- 12-bit resolution DAC (Digital-to-Analog Converter)
- 400 MSPS (Mega Samples Per Second) output frequency
- 48-bit frequency tuning word
- 2 built-in 10-bit amplitude DACs
- Serial input/output interface for programming and control
- Power consumption of 540 mW at 3.3V supply voltage

Application

- Signal generation for communication systems, radar systems, and test and measurement equipment
- Waveform synthesis for audio and video applications
- Frequency hopping and agile frequency synthesis
- Phase-locked loops and clock generation



Related Products



[ADUM1300](#)

Analog Devices, Inc



[ADL5310ACPZ](#)

Analog Devices, Inc
LFCSP-24



[ADG5409BCPZ](#)

Analog Devices, Inc
LFCSP-16



[ADG3308BCPZ](#)

Analog Devices, Inc
20LFCS



[ADR391AUJZ](#)

Analog Devices, Inc
SOT23-5



[ADCMP600BKSZ](#)

Analog Devices, Inc
SC-70-5



[ADM7171ACPZ](#)

Analog Devices, Inc

LFCSP8



[ADCMP601BKSZ](#)

Analog Devices, Inc

SC70