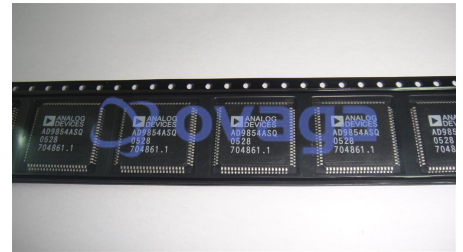


Direct Digital Synthesizer 300MHz 2-DAC 12-Bit Parallel/Serial 80-Pin LQFP - Trays

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	QFP80
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for AD9854ASQZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

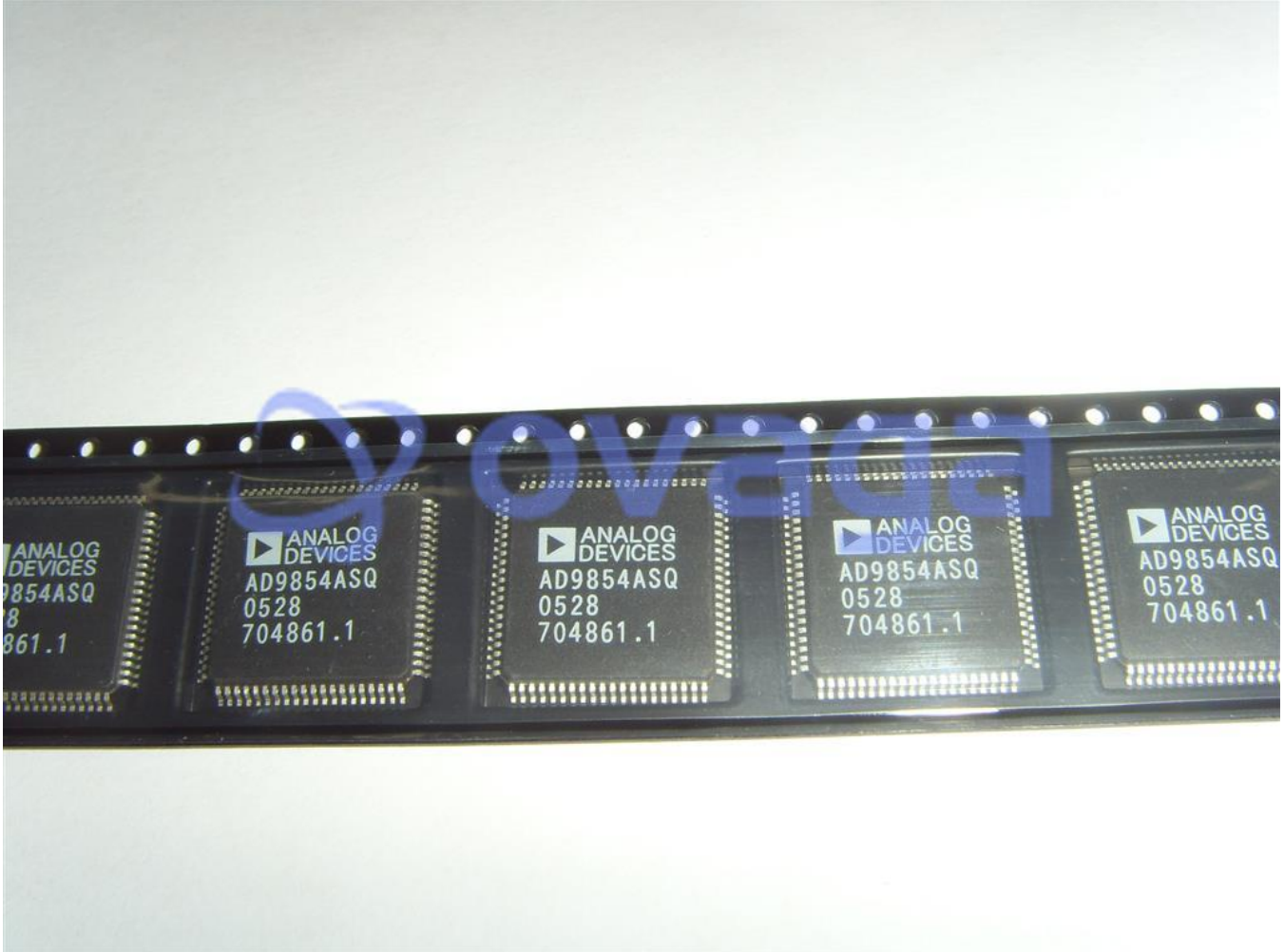
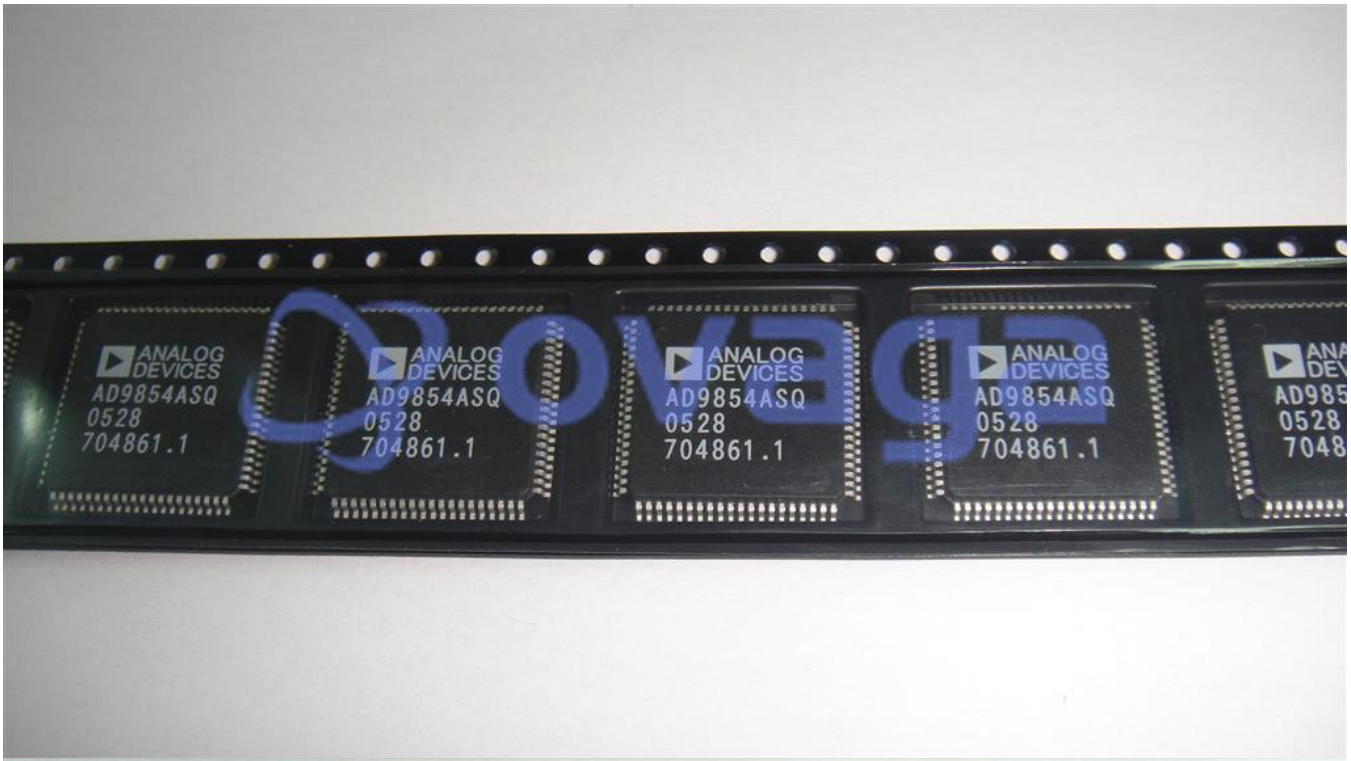
AD9854ASQZ is a high-performance direct digital synthesizer (DDS) chip manufactured by Analog Devices. It is designed to provide precise frequency synthesis and modulation for various applications, including wireless communication systems, instrumentation, and test equipment.

### Features

- 300 MSPS maximum output frequency
- 10-bit resolution for frequency tuning and phase offset control
- Built-in 14-bit digital-to-analog converter (DAC) for analog output
- Flexible power supply options with a single 3.3V or 5V supply
- Low power consumption of 1.1W at 300 MSPS output frequency

### Application

- Wireless communication systems:** The high frequency range and fast frequency switching capability make it suitable for use in wireless communication systems, including cellular base stations and satellite communication systems.
- Test and measurement equipment:** The DDS chip's precise frequency synthesis capability makes it useful for generating test signals for various test and measurement applications, including radar systems and signal analyzers.
- Signal synthesis in instrumentation:** The AD9854ASQZ can be used in scientific and industrial instruments to generate signals for various applications, including material testing and spectroscopy.



**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