

Direct Digital Synthesizer 300MHz 2-DAC 12-Bit Parallel/Serial

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	QFP-80
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for AD9854ASQ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

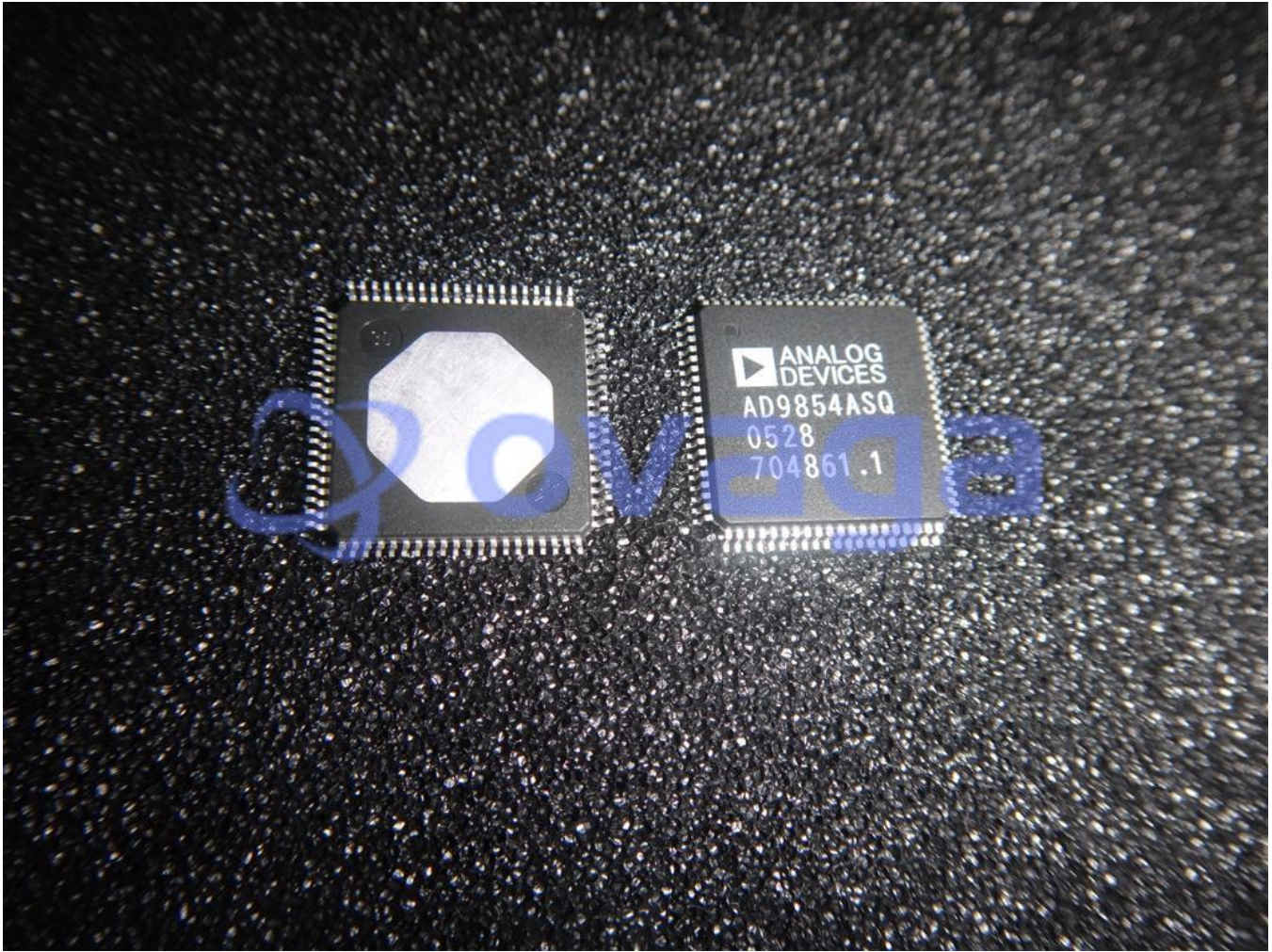
AD9854ASQ is a high-speed direct digital synthesizer (DDS) manufactured by Analog Devices. It is a programmable device that can generate high-frequency sine waves and other waveforms with very fine frequency resolution.

### Features

- Frequency range: 0 to 300 MHz
- Frequency resolution: 32 bits
- Phase resolution: 14 bits
- On-chip DAC: 10 bits
- Output amplitude control
- Serial interface: 4-wire SPI
- Power supply voltage: 3.3 V
- Power consumption: 640 mW

### Application

- Communications systems: used for frequency synthesis, modulation, and demodulation
- Test and measurement equipment: used for signal generation and calibration
- Radar systems: used for signal generation and processing
- Medical imaging systems: used for signal generation and control
- Instrumentation: used for signal generation and control in various applications





## Related Products



### [ADUM1300](#)

Analog Devices, Inc



### [ADL5310ACPZ](#)

Analog Devices, Inc  
LFCSP-24



### [ADG5409BCPZ](#)

Analog Devices, Inc  
LFCSP-16



### [ADG3308BCPZ](#)

Analog Devices, Inc  
20LFCSP



### [ADR391AUJZ](#)

Analog Devices, Inc  
SOT23-5



### [ADCMP600BKSZ](#)

Analog Devices, Inc  
SC-70-5



### [ADM7171ACPZ](#)

Analog Devices, Inc  
LFCSP8



### [ADCMP601BKSZ](#)

Analog Devices, Inc  
SC70