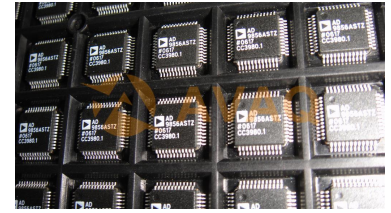



## Direct Digital Synthesizer 200MHz 1-DAC 12bit Serial 48-Pin LQFP Tray



Images are for reference only

[Inquiry](#)

<b>Manufacturer:</b>	<a href="#">Analog Devices, Inc</a>
<b>Package/Case:</b>	QFP
<b>Product Type:</b>	Clock & Timer ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active

### General Description

The AD9856 integrates a high-speed direct-digital synthesizer (DDS), a high-performance, high-speed 12-bit Digital-to-Analog converter (DAC), clock multiplier circuitry, digital filters, and other DSP functions onto a single chip, to form a complete quadrature digital upconverter device. The AD9856 is primarily intended to function as a universal upstream and downstream I/Q modulator for interactive HFC cable network applications, where cost, size, power dissipation, and dynamic performance are critical attributes.

### Key Features

Universal Low Cost Modulator Solution for Communications Applications

DC to 80 MHz Output Bandwidth

Integrated 12-Bit D/A Converter

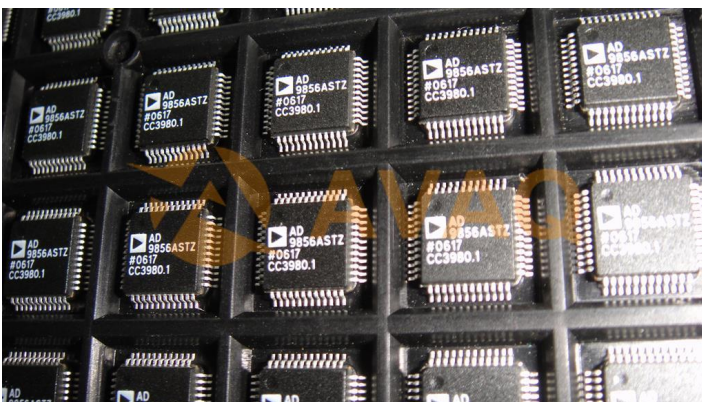
Programmable Sample Rate Interpolation Filter

Programmable Reference Clock Multiplier

Internal SIN(x)/x Compensation Filter

Space-Saving Surface-Mount Packaging

Bidirectional Control Bus Interface



## Recommended For You

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### **AD7305BRZ**

Analog Devices, Inc  
SOP20

### **AD9910BSVZ**

Analog Devices, Inc  
TQFP100

### **AD9831ASTZ**

Analog Devices, Inc  
QFP

### **AD5447YRUZ**

Analog Devices, Inc  
TSSOP

### **AD5302BRMZ**

Analog Devices, Inc  
MSOP10

### **AD5531BRUZ**

Analog Devices, Inc  
TSSOP16

### **AD537JH**

Analog Devices, Inc  
CAN10

### **AD652AQ**

Analog Devices, Inc  
DIP

### **AD654JN**

Analog Devices, Inc  
DIP8

### **AD7740YRMZ**

Analog Devices, Inc  
MSOP8

### **AD9914BCPZ**

Analog Devices, Inc  
LFCSP

### **AD73311ARSZ**

Analog Devices, Inc  
SSOP20

### **AD7291BCPZ**

Analog Devices, Inc  
LFCSP20

### **AD9954YSVZ**

Analog Devices, Inc  
QFP

### **AD2S1205YSTZ**

Analog Devices, Inc  
LQFP44