

## Direct Digital Synthesizer 2000MHz 1-DAC 10bit Parallel/Serial 100-Pin TQFP EP Tray



Images are for reference only

[Inquiry](#)

**Manufacturer:** [Analog Devices, Inc](#)

**Package/Case:** QFP

**Product Type:** Clock & Timer ICs

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

### General Description

The AD9858 is specified to operate over the extended industrial temperature range of  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ .

### Key Features

- Excellent phase noise and SFDR
- Simplified 8-bit parallel and SPI serial control interface
- Automatic frequency sweeping capability
- Integrated programmable charge pump and phase frequency detector with fast lock circuit
- Isolated charge pump supply up to 5V
- Integrated 2GHz mixer
- 2W Typical power dissipation

### Application

- VHF/UHF LO synthesis
- Tuners
- Instrumentation
- Agile clock synthesis
- Cellular base station hopping synthesizers
- Radars
- SONET/SDH clock synthesis
- Data Sheet, Rev. C, 2/08



## Recommended For You

---

### **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