


## Sample and Hold 4-CH 11us 16-Pin SOIC N Tube

<b>Manufacturer:</b>	<a href="#">Analog Devices, Inc</a>
<b>Package/Case:</b>	SOP16
<b>Product Type:</b>	Amplifier ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

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### General Description

The SMP04 is a monolithic quad sample-and-hold; it has four internal precision buffer amplifiers and internal hold capacitors. It is manufactured in ADI's advanced oxide isolated CMOS technology to obtain high accuracy, low droop rate and fast acquisition time required by data acquisition and signal processing systems. The device can acquire an 8-bit input signal to  $\pm 1/2$  LSB in less than seven microseconds. The SMP04 can operate from single or dual power supplies with TTL/CMOS logic compatibility. Its output swing includes the negative supply.

The SMP04 is ideally suited for a wide variety of sample-and- hold applications including amplifier offset or VCA gain adjustments. One or more can be used with a single or multiple DACs to provide multiple setpoints within a system.

The SMP04 offers significant cost and size reduction over lent module or discrete designs. It is available in a 16-pin hermetic or plastic DIP and surface mount SOIC packages. It is specified the extended industrial temperature range of 0°C to +85°C.

### Key Features

- Four independent sample-and-holds
- Internal hold capacitor
- Output buffers stable for  $CL \leq 500pF$
- Single or dual supply applications
- Monolithic low power CMOS design
- 12-bit High accuracy
- 2mV/s Typical very low droop rate

### Recommended For You

**SMP10AY**

Analog Devices, Inc  
CDIP14

**SMP08FP**

Analog Devices, Inc  
DIP

**SMP18FS**

Analog Devices, Inc  
SOP16

**SMP11GY**

Analog Devices, Inc  
CDIP14

**SMP04EP**

Analog Devices, Inc  
DIP

**SMP04ES**

Analog Devices, Inc  
SOP

**SMP18FRUZ-REEL7**

Analog Devices, Inc  
TSSOP-16

**SMP04EQ**

Analog Devices, Inc  
DIP

**SMP08FSZ**

Analog Devices, Inc  
SOP16

**SMP11BY**

Analog Devices, Inc  
CDIP14

**SMP18FQ**

Analog Devices, Inc  
16-CERDIP

**SMP18FSZ-REEL**

Analog Devices, Inc  
SOP

**SMP11GS**

Analog Devices, Inc  
SOP16

**SMP11GP**

Analog Devices, Inc  
DIP14

**SMP11FY**

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