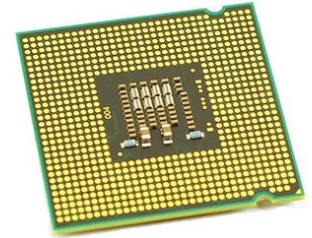


## RF Switch SP4T 100MHz to 30GHz 55dB 24-Pin LGA EP Cut Tape



Images are for reference only

[Inquiry](#)

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

**Package/Case:** LGA-24

**Product Type:** Switches

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

### General Description

The ADRF5044 is a general-purpose, single-pole, four-throw (SP4T) switch manufactured using a silicon process. It comes in a 24-terminal land grid array (LGA) package and provides high isolation and low insertion loss from 100 MHz to 30 GHz.

This broadband switch requires dual-supply voltages, +3.3 V and -3.3 V, and provides complementary metal-oxide semiconductor (CMOS)/low voltage transistor-transistor logic (LVTTL) logic-compatible control.

### Key Features

Ultrawideband frequency range: 100 MHz to 30 GHz

Nonreflective 50 Ω design

Low insertion loss: 2.6 dB at 20 GHz to 30 GHz

High isolation: 43 dB at 20 GHz to 30 GHz

High input linearity

P1dB: 28 dBm typical

IP3: 50 dBm typical

High power handling

24 dBm through path

24 dBm terminated path

No low frequency spurious

0.1 dB settling time (50% VCTL to 0.1 dB of final RF output): 37 ns

24-terminal LGA package

### Application

Test instrumentation

Microwave radios and very small aperture terminals (VSATs)

Military radios, radars, and electronic counter measures (ECMs)

Broadband telecommunications systems

### Recommended For You

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**ADF4153BCPZ**

Analog Devices, Inc  
QFN

**ADF5355BCPZ**

Analog Devices, Inc  
LFCSP32

**AD8318ACPZ**

Analog Devices, Inc  
LFCSP

**AD6620ASZ**

Analog Devices, Inc  
QFP

**ADF4107BCPZ**

Analog Devices, Inc  
QFN

**ADL5513ACPZ-R7**

Analog Devices, Inc  
LFCSP-16

**AD8319ACPZ**

Analog Devices, Inc  
LFCSP

**ADRF6755ACPZ**

Analog Devices, Inc  
QFN

**ADL5535ARKZ-R7**

Analog Devices, Inc  
SOT89

**AD608AR**

Analog Devices, Inc  
SOP16

**ADF4107BRUZ-REEL7**

Analog Devices, Inc  
TSSOP16

**ADRF6780ACPZN**

Analog Devices, Inc  
QFN

**AD8317ACPZ**

Analog Devices, Inc  
LFCSP

**AD608ARZ**

Analog Devices, Inc  
SOP16

**AD8318ACPZ-REEL7**

Analog Devices, Inc  
LFCSP