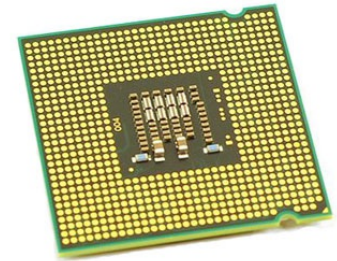


RF Switch SPDT 100MHz to 30GHz 60dB 20-Pin LGA T/R



Images are for reference only

[Inquiry](#)

Manufacturer: [Analog Devices, Inc](#)

Package/Case: LGA-20

Product Type: Switches

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The ADRF5020 is a general-purpose, single-pole, double-throw (SPDT) switch manufactured using a silicon process. It comes in a 3 mm × 3 mm, 20-lead 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 -2.5 V, and provides CMOS/LVTTL logic-compatible control.

Key Features

Ultrawideband frequency range: 100 MHz to 30 GHz

Nonreflective 50 Ω design

Low insertion loss: 2.0 dB to 30 GHz

High isolation: 60 dB to 30 GHz

High input linearity

1 dB power compression (P1dB): 28 dBm typical

Third-order intercept (IP3): 52 dBm typical

High power handling

24 dBm through path

24 dBm terminated path

ESD sensitivity: Class 1, 1 kV human body model (HBM)

20-terminal, 3 mm × 3 mm, land grid array package

No low frequency spurious

Radio frequency (RF) settling time (to 0.1 dB of final RF output): 15 ns

Application

Test instrumentation

Microwave radios and very small aperture terminals (VSATs)

Military radios, radars, electronic counter measures (ECMs)

Broadband telecommunications systems

Recommended For You

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