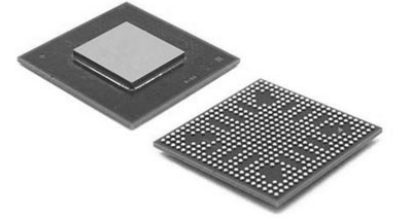


RF Switch SP5T 100MHz to 6GHz 46dB 24-Pin LFCSP EP T/R



Images are for reference only

[Inquiry](#)

Manufacturer: [Analog Devices, Inc](#)

Package/Case: LFCSP-24

Product Type: Switches

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The ADRF5250 is a general-purpose, single-pole, five-throw (SP5T), nonreflective switch manufactured using a silicon process. The ADRF5250 is available in a 4 mm × 4 mm, 24-lead lead frame chip scale package (LFCSP) and provides high isolation and low insertion loss from 100 MHz to 6 GHz. The ADRF5250 incorporates a negative voltage generator to operate with a single positive supply voltage from 3.3 V to 5 V applied to the VDD pin when the VSS pin is connected to ground. The negative voltage generator can be disabled when an external negative supply voltage of ≥ 3.3 V is applied to the VSS pin. The ADRF5250 provides a 1.8 V logic-compatible, 3-pin control interface.

Key Features

Nonreflective 50 Ω design

Low insertion loss: 1.5 dB at 4 GHz

High isolation: 50 dB at 4 GHz

High input linearity

0.1 dB compression (P0.1dB): 34 dBm typical

Third-order intercept (IP3): 57 dBm typical

High power handling at 85°C

33 dBm through path

27 dBm terminated path

ESD rating

3.5 kV HBM, Class 2

Single-supply or dual-supply operation

Optional internal negative voltage generator (NVG)

1.8 V logic-compatible control

4 mm \times 4 mm, 24-lead LFCSP

Application

Cellular/4G infrastructure

Wireless infrastructure

Mobile radios

Test equipment

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