



Data Sheet

RF Switch SP4T 0MHz to 18GHz 36dB 8-Pin Die Tray

Manufacturers

Analog Devices, Inc

Package/Case

56-BSSOP (0.295"

Product Type

RF Switch

RoHS

Pb-free Halide free

Lifecycle

Images are for reference only

Please submit RFQ for HMC641A or Email to us: sales@ovaga.com We will contact you in 12 hours.

RFO

General Description

The HMC641A is a nonreflective, single-pole, four-throw (SP4T) switch, manufactured using a gallium arsenide (GaAs) process. This switch typically provides low insertion loss of 2.1 dB and high isolation of 42 dB in broadband frequency range from 0.1 GHz to 18 GHz.

The HMC641A includes an on-chip, binary 2 to 4 line decoder that provides control from two logic input lines.

The switch operates with a negative supply voltage of -5 V to -3 V and requires two negative logic control voltages.

All electrical performance data is acquired with the HMC641A that all RFx pads are connected to by the 50 Ω transmission lines via one 3.0 mil × 0.5 mil ribbon bond of minimal length.

Features

Broadband frequency range: 0.1 GHz to 18 GHz

Nonreflective 50Ω design

Low insertion loss: 2.1 dB to 12 GHz

High isolation: 42 dB to 12 GHz

High input linearity

P1dB: 25 dBm typical at>

IP3: 41 dBm typical

High power handling at>

24 dBm through path

23 dBm terminated path

Integrated 2 to 4 line decoder

8-pad, 1.92 mm × 1.60 mm × 0.102 mm, CHIP

Application

Test instrumentation

Microwave radios and very small aperture terminals (VSATs)

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

Broadband telecommunications systems

Related Products



HMC3653LP3BE
Analog Devices, Inc
QFN-12



HMC253AQS24

Analog Devices, Inc

24-SSOP (0.154, 3.90mm Width)



HMC358MS8GE Analog Devices, Inc MSOP-8



HMC453ST89E

Analog Devices, Inc
ST89E



Analog Devices, Inc QFN-16

HMC441LP3E



HMC948LP3E
Analog Devices, Inc
LP3



HMC490 Analog Devices, Inc SMD



HMC618ALP3E
Analog Devices, Inc
QFN-16