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HMC544A

HMC544A



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HMC544A

GaAs MMIC T/R Switch, DC - 4 GHz

Recommended for New Designs

Overview

Evaluation Kits

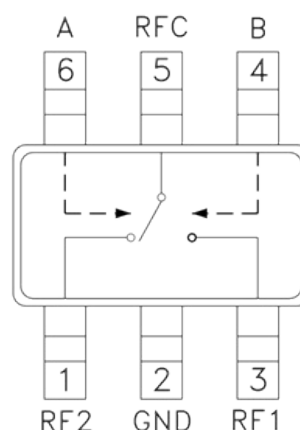
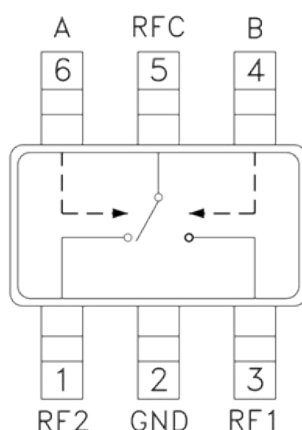
Documentation

Tools & Simulations

Design Resources

Discussions

Sample & Buy



Data Sheet

View All



S-Parameters

View All

Features and Benefits

- Very Low Insertion Loss: 0.2 dB @ 1 GHz
- High Input P1dB: +39 dBm
- High Input IP3: +60 dBm
- Positive Control: 0/+3V to 0/+5V
- Compact SOT26 SMT Package

Product Categories

RF & Microwave

- SPDT T/R

Product Details

The HMC544A & HMC544AE are low cost SPDT switches in 6-lead SOT26 packages for use in transmitreceive applications which require very low insertion loss at medium power levels. These devices can control signals from DC to 4.0 GHz and are especially suited for 450, 900, 1900, 2300, and 2700 MHz applications with <0.5 dB insertion loss. This GaAs PHEMT design provides exceptional linearity performance of +36 dBm 1dB compression point and +60 dBm third order intercept at +3 volt bias. RF1 and RF2 are reflective opens when "Off". On-chip circuitry allows positive control operation at very low DC current.

Applications

- Cellular/PCS/3G Infrastructure

- Basestations & Repeaters
- WLAN, WiMAX and WiBro
- Microwave and
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Comparable Parts

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Product Lifecycle

 **Recommended for New Designs**

This product has been released to the market. The data sheet contains all final specifications and operating conditions. For new designs, ADI recommends utilization of these products.

Evaluation Kits (1)

EVAL-HMC544A

HMC544A Evaluation Board

Documentation

 [See All](#)

 [Data Sheets](#)

HMC544AE Data Sheet



669.87 K

Tools & Simulations

S-Parameters

HMC544A S-Parameters

259.99 K

Design Resources

ADI has always placed the highest emphasis on delivering products that meet the maximum levels of quality and reliability. We achieve this by incorporating quality and reliability checks in every scope of product and process design, and in the manufacturing process as well. "Zero defects" for shipped products is always our goal.

[HMC544A Material Declaration](#)

[PCN-PDN Information](#)

Discussions



HMC544A Discussions

[Re: HMC544A- S parameter model](#)

4 week(s) ago in Switches/Multiplexers

[Re: HMC544A- S parameter model](#)

9 week(s) ago in Switches/Multiplexers

[HMC544A- S parameter model](#)

10 week(s) ago in Switches/Multiplexers

[All HMC544A Discussions](#)**EngineerZone™** Didn't find what you were looking for? [Ask the Analog community »](#)
SUPPORT COMMUNITY

Sample & Buy



Model	Package	Pins	Temp Range	Packing Qty	Price (100-499)	Price (1000+)	RoHS	Order from Analog Devices
HMC544A Request PCN/PDN Notification Production	SOT23 5/6/8 Leads	6		Reel, 50		-	N Info	Purchase
HMC544AE Request PCN/PDN Notification Production	6 ld SOT-23	6	-40 to 85C	Reel, 50		-	Y Info	Sample Purchase
HMC544AETR Request PCN/PDN Notification Production	6 ld SOT-23	6	-40 to 85C	Reel, 500		-	Y Info	Purchase
HMC544ATR Request PCN/PDN Notification Production	6 ld SOT-23	6		Reel, 500		-	N Info	Purchase

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[Price Table Help](#)

Evaluation Boards

Pricing displayed is based on 1-piece.

Model	Description	RoHS
EV1HMC544A Production	Evaluation Board	Yes

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15,000

Problem Solvers

4,700+

Patents Worldwide

125,000

Customers

50+

Years

Ahead of What's Possible

ADI enables our customers to interpret the world around us by intelligently bridging the physical and digital with unmatched technologies that sense, measure and connect. We collaborate with our customers to accelerate the pace of innovation and create breakthrough solutions that are ahead of what's possible.

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