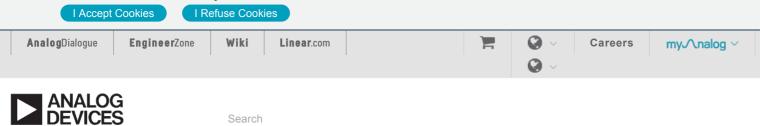
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PRODUCTS APPLICATIONS DESIGN CENTER COMMUNITY EDUCATION SUPPORT

Print My Analog

HMC284A

HMC284A HMC284A

SPDT, Non-Reflective Switch SMT, DC - 3.5 GHz

Recommended for New Designs





Features and Benefits

- High Isolation: >45 dB
- Positive control: 0/+5V
- · Non-Reflective Design
- Ultra Small Package: MSOP8G

Product Categories

RF & Microwave

SPST, SPDT, SP3T, SP4T, SP5T, SP6T, SP8T

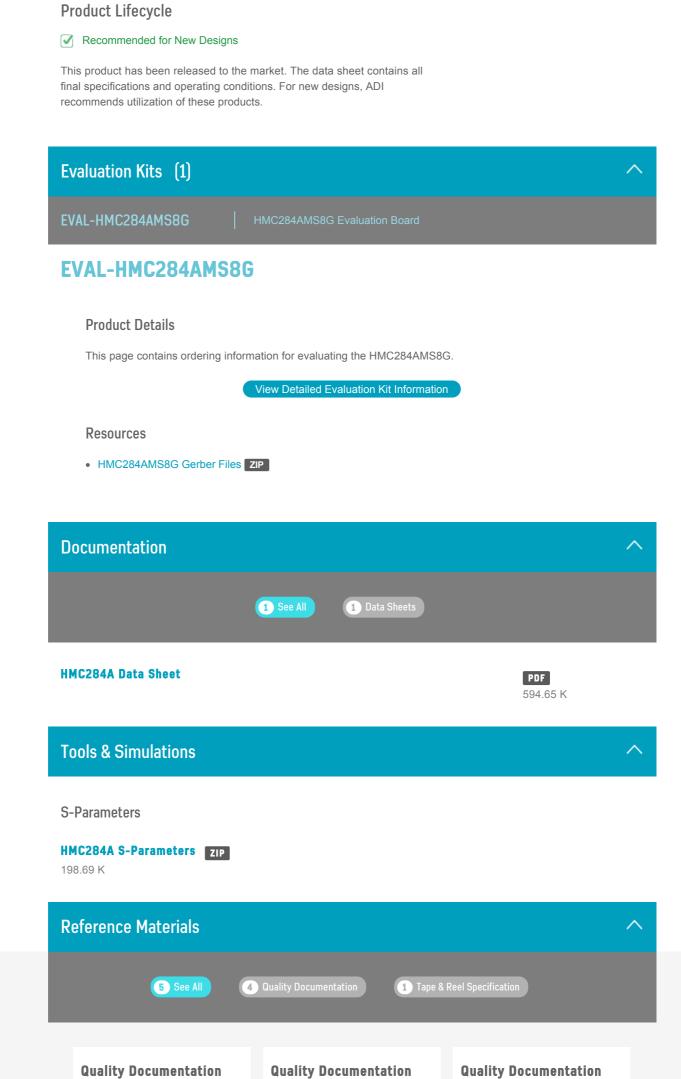
Product Details

The HMC284AMS8G & HMC284AMS8GE are lowcost SPDT switches in 8-lead grounded base MSOP packages. The design has been optimized to provide high isolation with minimal insertion loss for medium and low power applications. On-chip circuitry allows positive voltage control operation at very low DC currents with control inputs compatible with CMOS and most TTL logic families. In the "OFF" state, RF1 and RF2 are non-reflective.

Applications

- · Cellular/PCS Base Stations
- 2.4 GHz ISM
- 3.5 GHz Wireless Local Loop

Comparable Parts Click to see all in Parametric Search



Semiconductor
Qualification Test
Report: PHEMT-J (QTR:
2013-00285)

Package/Assembly Qualification Test Report: MS8G (QTR: 2014-00393) Semiconductor
Qualification Test
Report: pHEMT-J (QTR:
2012-00042)

• 0

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.

HMC284A Material Declaration

PCN-PDN Information

Quality And Reliability

Symbols and Footprints

Discussions

HMC284A Discussions

Re: Low control voltage operation of HMC284A

18 week(s) ago in RF and Microwave

Low control voltage operation of HMC284A

18 week(s) ago in RF and Microwave

Re: Delay time of HMC284AMS8GE

All HMC284A Discussions



Sample & Buy

Model	Package	Pins	Temp Range	Packing Qty	Price (100- 499)	Price (1000+)	RoHS	Order from Analog Devices
HMC284AMS8G PDN Last Time Buy	8 ld MSOP_EP	8	-40 to 85C	Reel, 50		-	N √ Info	Purchase
HMC284AMS8GE Request PCN/PDN Notification Production	8 Id MSOP_EP	8	-40 to 85C	Reel, 50		-	Y √ Info	Sample Purchase
HMC284AMS8GETR Request PCN/PDN Notification Production	8 ld MSOP_EP	8	-40 to 85C	Reel, 500		-	Y √ Info	Sample Purchase
HMC284AMS8GTR PDN Last Time Buy	8 Id MSOP_EP	8	-40 to 85C	Reel, 500		-	N √ Info	Purchase
Back					NETHERL	ANDS 🗡		Check Inventory

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Price Table Help

Evaluation Boards

Pricing displayed is based on 1-piece.

Model	Description	RoHS	
105143-HMC284AMS8G Production	Evaluation Board - HMC284AMS8G Evaluation PCB		Yes
Back	Add to cart NETHERLANDS	S ~	Check Inventory

Pricing displayed is based on 1-piece. The USA list pricing shown is for budgetary use only, shown in United States dollars (FOB USA per unit), and is subject to change. International prices may vary due to local duties, taxes, fees and exchange rates.

Ahead of What's Possible

15,000

4,700+

Patents Worldwide

125,000

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