


## RF Switch SPDT 0MHz to 20GHz 40dB 10-Pin Die Tray

<b>Manufacturer:</b>	<a href="#">Analog Devices, Inc</a>
<b>Package/Case:</b>	Die
<b>Product Type:</b>	Switches
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

### General Description

The HMC347A is a broadband, nonreflective, gallium arsenide (GaAs), pseudomorphic high electron mobility transistor (pHEMT), single-pole, double throw (SPDT), monolithic microwave integrated circuit (MMIC) chip. The switch operates from 0.1 GHz to 20 GHz with an insertion loss of <2.0 dB and an isolation of >40 dB due to the implementation of on-chip, via hole structures. The switch operates with two negative control voltage inputs length.

### Key Features

- Broadband frequency range: 0.1 GHz to 20 GHz
- Nonreflective, 50 Ω design
- Low insertion loss: 2.0 dB to 20 GHz
- High isolation: 40 dB to 20 GHz
- High input linearity
- Input P1dB: 29 dBm typical
- Input IP3: 45 dBm typical
- High power handling
- 27 dBm through path
- 25 dBm terminated path
- 10-pad, 1.22 mm × 0.85 mm × 0.1 mm, CHIP

### Application

- Microwave radio(s) and very small aperture terminals (VSATs)
- Military radios, radars, electronic counter measure (ECMs)
- Broadband telecommunications systems

### Recommended For You

**HMC624ALP4E**

Analog Devices, Inc  
QFN24

**HMC952ALP5GE**

Analog Devices, Inc  
QFN

**HMC361S8GE**

Analog Devices, Inc  
SOP-8

**HMC253AQS24E**

Analog Devices, Inc  
QFN

**HMC346MS8G**

Analog Devices, Inc  
MSOP8

**HMC1119LP4ME**

Analog Devices, Inc  
QFN

**HMC659LC5**

Analog Devices, Inc  
QFN

**HMC909LP4E**

Analog Devices, Inc  
QFN

**HMC564LC4**

Analog Devices, Inc  
QFN

**HMC1021LP4E**

Analog Devices, Inc  
QFN

**HMC241AQS16E**

Analog Devices, Inc  
SSOP16

**HMC424LP3E**

Analog Devices, Inc  
QFN

**HMC662LP3E**

Analog Devices, Inc  
QFN

**HMC8038LP4CE**

Analog Devices, Inc  
QFN16

**HMC363S8G**

Analog Devices, Inc  
SOP8