

SGM331A

Quad, Wide-Bandwidth, 1.2V Self-Biased SPDT Video Analog Switch

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Datasheet

Sample

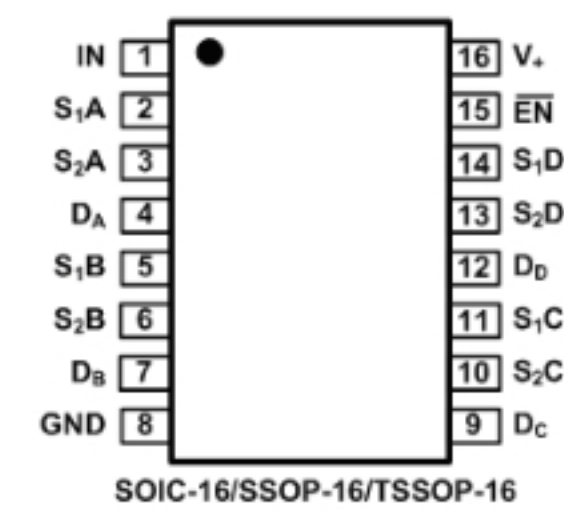
GENERAL DESCRIPTION

The SGM331A is a quad, bidirectional, internal 1.2V self- biased, single-pole/double-throw (SPDT), TTL/CMOS compatible video analog switch. It operates from a 5.5V single supply voltage. The SGM331A features low crosstalk, low on-resistance and fast switching times.

The SGM331A also has the advantages of high current and wide bandwidth (500MHz). The high performances make it very suitable for high frequency applications, such as video editors, audio and video signal routing, etc. In addition, low cost is also one of the important reasons that make the SGM331A a good choice.

The SGM331A is available in Green SOIC-16, TSSOP-16 and SSOP-16 packages. It operates over an ambient temperature range of -40°C to +85°C.

PIN CONFIGURATIONS



FEATURES

- 3dB Bandwidth: 500MHz
- Low On-Resistance: 12Ω (TYP)
- Low Crosstalk: -60dB (TYP) at 10MHz
- Off-Isolation: -50dB at 10MHz
- Power Consumption: Icc = 0.5μA (TYP)
- Rail-to-Rail Input and Output Operation
- Fast Switching Times
- TTL/CMOS Compatible
- 40°C to +85°C Operating Temperature Range
- Available in Green SOIC-16, TSSOP-16 and SSOP-16 Packages

APPLICATIONS

Video/TV Game Players  
Computer Peripherals  
Personal Digital Assistants  
Audio and Video Signal Routing  
Battery-Powered Systems

ORDERING INFORMATION

Part Number	Status	Package	Pins	Pb-Free	Temp Range	
SGM331A-YS16G/TR	Production	SOIC-16	16	Y	-40°C to +85°C	<a href="#">Samples</a>
SGM331A-YQS16G/TR	Production	SSOP-16	16	Y	-40°C to +85°C	<a href="#">Samples</a>
SGM331A-YTS16G/TR	Production	TSSOP-16	16	Y	-40°C to +85°C	<a href="#">Samples</a>



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