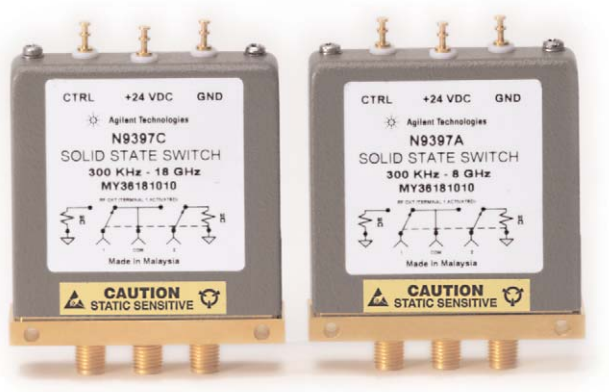
Agilent N9397A/C
Solid State Switches

N9397A 300 kHz to 8 GHz solid state switch
N9397C 300 kHz to 18 GHz solid state switch



N9397A/C Key Specifications & Features

- Maximize your operating frequency range from 300 kHz up to 18 GHz
- Minimize crosstalk between measurements with high port-to-port isolation above 80 dB
- Increase your switching response for high-speed signal routing applications
- Improve your measurement accuracy with superior RF performance inherent in all Agilent switches

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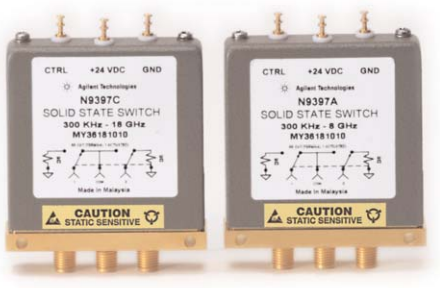
The Agilent N9397A/C solid state switches are based on GaAs FET Monolithic Microwave Integrated Circuit (MMIC) and provides superior performance with low insertion loss, excellent return loss and a broad operating frequency bandwidth. Each switch is designed as a high frequency, single-pole double-throw (SPDT) switch, and offers extremely useful applications in instrumentation, communications, radar, and many other test systems requiring high-speed RF/µW SPDT switching.



The solid state switches maximize your operating frequency range from 300 kHz up to 18 GHz.

The solid state switches can also be used in a wide variety of signal routing applications for test and measurement systems, such as:

- selection of multiple signal sources to one output
- selection of multiple input signals to one measurement instrument

The Agilent N9397A is a 300 kHz to 8 GHz GaAs FET MMIC-based solid state switch that comes with an integrated driver, which is TTL compatible.

The Agilent N9397C is a 300 kHz to 18 GHz version of the GaAs FET MMIC-based solid state switch with the same features as the N9397A.

Specifications

Model:	N9397A	N9397C
Frequency range:	300 kHz up to 8 GHz	300 kHz up to 18 GHz
Insertion loss:	< 3.0 dB (300 kHz to 2 GHz) < 3.5 dB (2 to 8 GHz)	< 5.0 dB (300 kHz to 8 GHz) < 6.0 dB (8 to 18 GHz)
Isolation:	80 dB	80 dB (300 kHz to 8 GHz) 70 dB (8 GHz to 18 GHz)
Return loss (ON & common port):	> 15 dB	> 10 dB
Return loss (OFF port):	> 18 dB	> 13 dB
Switching speed:	200ns typ	200ns typ
Input power (maximum):	+29 dBm	+27 dBm
Characteristic impedance:	50 Ω	50 Ω
Connectors: standard	SMA (f)	SMA (f)

Web Resource http://www.agilent.com/find/mta

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