



DS INSTRUMENTS

## 4 PORT RF SWITCH – 6GHZ



### Description

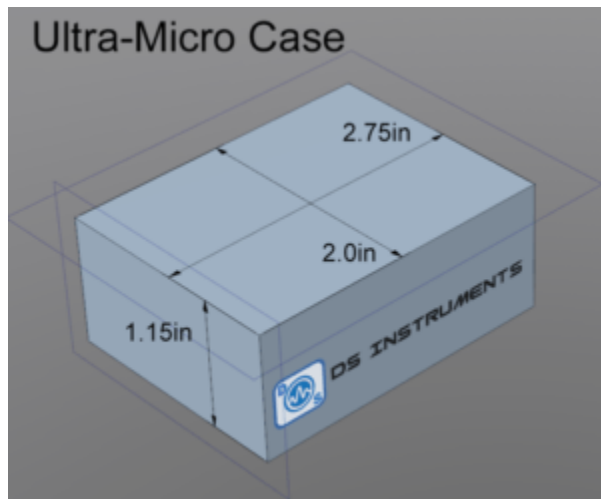
*Optional Ethernet now available!*

DS Instrument's **SW6004** [RF switch](#) is both USB controlled via SCPI commands, and a front panel select button. Simple and convenient USB power and status LEDs for the user. This 2 watt absorptive **SP4T** wideband switch is perfect for automated or remote test setups. Ultra- low insertion loss combined with solid-state speed and reliability make this a great upgrade path from old mechanical relay devices. (SW6004E for Ethernet version)

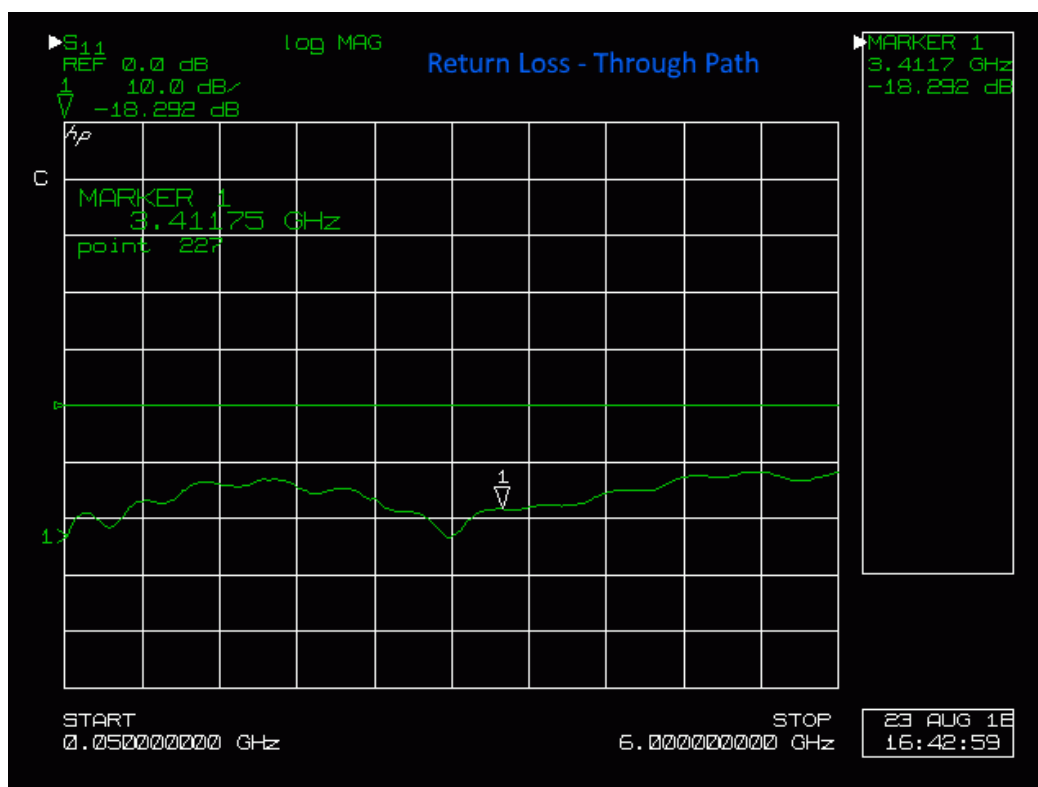
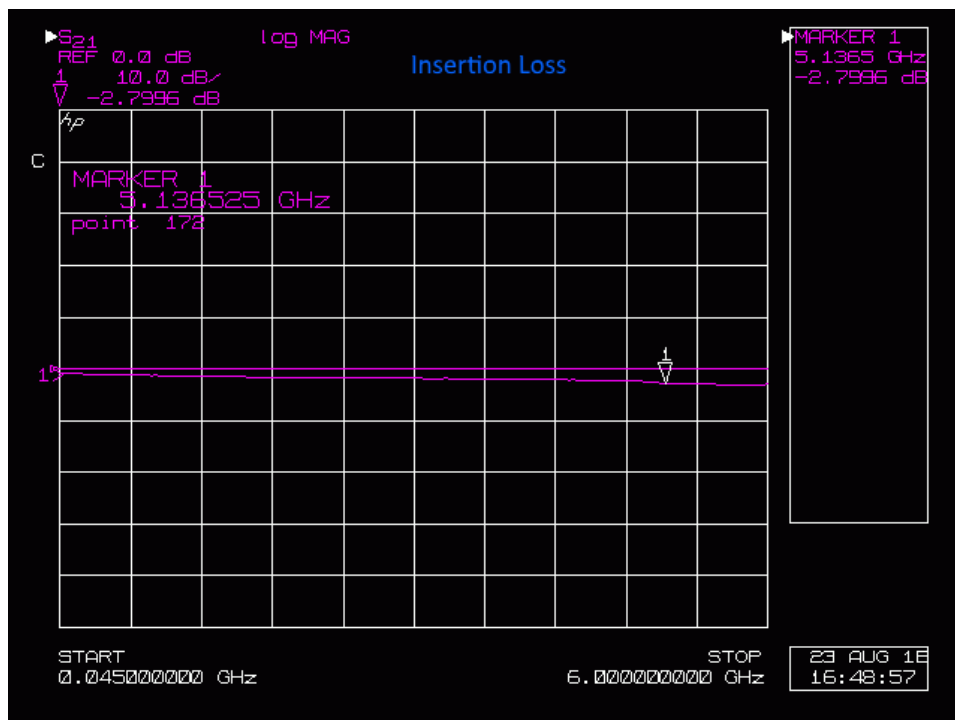
### SW6000 Specifications (Rev5):

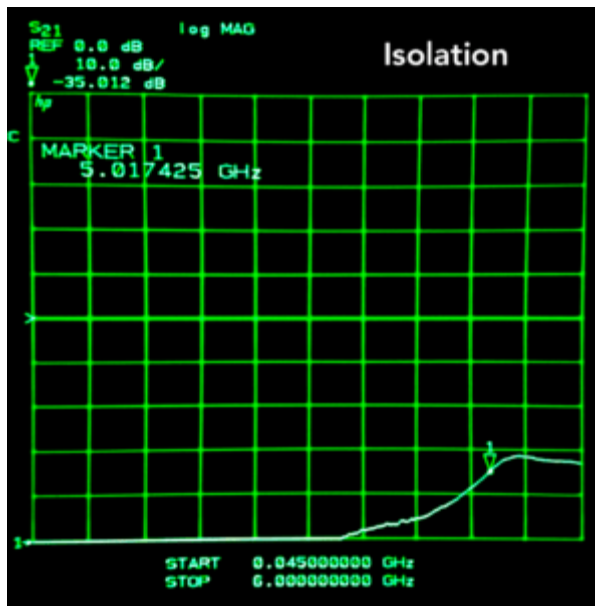
- 10MHz – 6000MHz frequency range
- 4 Switched SMA RF Ports
- Max RFC input power: +33 dBm (2.0 Watts)
- Max Terminated power: +24 dBm
- Low insertion loss (**2.5dB** Typical)
- Return loss: > **12dB**
- Solid State Reliability
- Bi-directional
- Fast switching time
- Superior Isolation (60dB at 1GHz, 30dB @ 6GHz)
- LED port status indication
- Impedance: 50 Ohm
- Micro-USB Powered

### Switch Matrix Mechanicals:



## 6GHz SP4T Switch – RF Performance:





### Common Applications:

- Automated testing environments
- General RF Lab use
- Production verification and testing
- Educational / university lab use
- Aerospace / Defense Research
- 802.11n Development / Testing
- Antenna switching