

## SPDT & DP3T 50 GHz

### High Frequency Solution

In response to the growing demand for high performance solutions in high frequency applications, Radiall introduces a new range of electromechanical switches with excellent performance up to 50 GHz.



As leader in the instrumentation market, Radiall introduces a new range of 50 GHz coaxial switches fitted with 2.4mm connectors. These new coaxial relays are perfectly suited for high frequency equipment especially in “Q” and “V” bands requiring excellent performance & reliability.

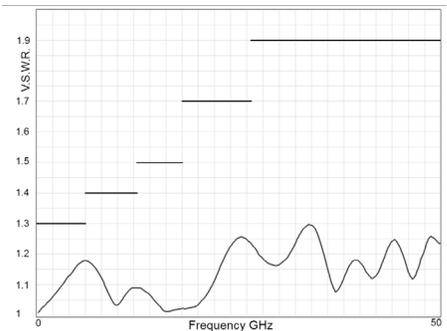
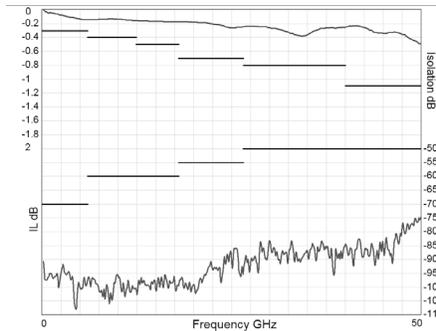
- SPDT 2.4mm up to 50 GHz
- DP3T 2.4mm up to 50 GHz
- Designed according to the RAMSES modular concept
- Large range of part numbers available



**Radiall's 2.4mm switches are the best choice for high frequency applications.**

*High Frequency Solution*

### R570 & R585 Typical RF Performance



Mechanical & environmental characteristics:

- Life span: 2 million cycles
- Switching time: < 10ms
- Operating temperature range: -25 °C to +70 °C
- Storage temperature range: -40 °C to +85 °C

Electrical characteristics:

- Actuator: Failsafe or latching versions
- Actuator voltage: 12 or 28 Volts
- Additional options: TTL drivers, Self Cut-off and Indicators

### Features & Benefits

- Based on the RAMSES modular concept
- Excellent RF performance:
  - » Isolation: 50dB @ 50 GHz
  - » Insertion Loss: 1.10 dB @ 50 GHz
  - » VSWR: 1.90 @ 50 GHz

### Applications

- Q and V bands (>40 GHz):
  - » Bench test
  - » Telecom
  - » Satellite telecommunications

