

Low PIM Switches

The best choice for high performance & reliability

As a leader in the instrumentation marketplace, Radiall introduces a new range of Low PIM coaxial switches in response to market demands. This new range of Low PIM switches is perfectly suited for RF test systems and test benches requiring excellent passive intermodulation performance.



SMA models up to 18 GHz

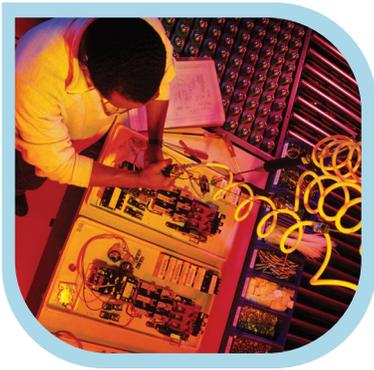


N models up to 12.4 GHz

- SPDT, DPDT, SP4T & SP6T non-terminated SMA up to 18GHz
- SPDT, DPDT, SP4T & SP6T non-terminated N up to 12.4GHz
- Life cycle: 2 million actuations
- 500 part numbers available

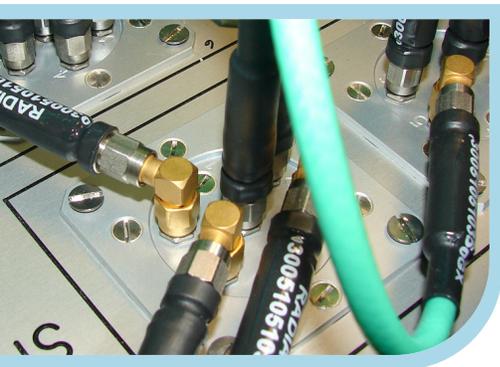
3rd order intermodulation characteristics

- -160 dBc @ +43 dBm (20 watts)



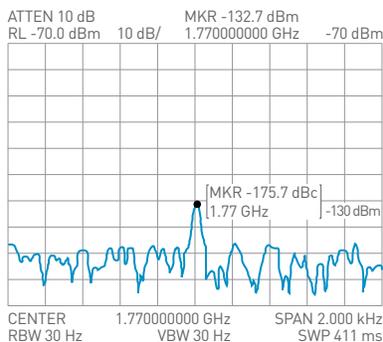
Radiall's Low PIM coaxial switches with N & SMA connectors are the perfect solution for Low PIM systems.

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Outstanding PIM Performance

-160 dBc @ +43 dBm



Passive Intermodulation

Tone 1	1810 MHz, approximately 43 dBm
Tone 2	1850 MHz, approximately 43 dBm
3 rd order PIM	160 dBc at 1770 MHz

Depending on application, carrier powers and frequencies, PIM measurements can vary. PIM testing is not measured during product acceptance test.

Features & Benefits

- Based on our RAMSES modular concept: Competitive price, short delivery and reliability
- Excellent RF performance
- SMA Models
 - » Isolation: 60dB @ 18GHz Max
 - » Insertion Loss: 0.5 dB @ 18GHz Max
 - » VSWR: 1.5 @ 18GHz Max
- N Models
 - » Isolation: 60dB @ 12.4 GHz Max
 - » Insertion Loss: 0.5 dB @ 12.4 GHz Max
 - » VSWR: 1.5 @ 12.4 GHz Max

Applications

- Modular instrumentation
- Instrumentation:
 - » Various ATE (Automatic Test Equipment) or Switching Matrices
 - » Mainly RF benches for Telecom Equipment Testing (ex: cellular testing)