

## DPDT and SP6T 2.4 mm Coaxial Switches

### 50 GHZ COAXIAL SWITCH SOLUTION

Radiall's SPDT and DP3T coaxial switches fitted with 2.4 mm connectors were developed to meet market demands where applications up to 50 GHz are required. The extended range now includes DPDT and SP6T coaxial switches.



Radiall designed new models of 50 GHz coaxial switches using a new patented system based on Radiall's proven RAMSES concept (Radiall Modular System for Electromechanical Switches). DPDT, SP4T & SP6T (unterminated) fitted with 2.4 mm connectors compliment the existing range of high performance and reliable switches.

To simplify the ordering process, these new 2.4 mm connectors can be ordered by using the part number system identified below and selecting the digit "J":

- R577Jxxxxx for DPDT
- R573Jxxxxx for SP4T & SP6T



## 50 GHz Coaxial Switch Solution

The 2.4 mm coaxial switches range is the best solution for applications where more than 40 GHz frequency is required.

Test/Characteristics	Values/Remarks					
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### DPDT

Operating Frequency (GHz)	DC-6	6-12.4	12.4-18	18-26.5	26.5-40	40-50
V.S.W.R. max	1.3	1.4	1.5	1.7	1.9	2.0
Insertion loss max (dB)	0.3	0.4	0.5	0.7	0.8	1.1
Isolation min (dB)	70	60	60	55	50	50
Average Power (W) <i>Nominal Voltage at 25°C</i>	80	60	50	20	10	5

### SP6T

Operating Frequency (GHz)	DC-6	6-12.4	12.4-18	18-26.5	26.5-40	40-50
V.S.W.R. max	1.3	1.4	1.5	1.7	1.9	2.2
Insertion loss max (dB)	0.2	0.4	0.5	0.7	0.9	1.2
Isolation min (dB)	70	60	60	55	50	50
Average Power (W) <i>Nominal Voltage at 25°C</i>	40	30	25	15	5	3



## Features & Benefits

- Excellent electrical performance
- Life span: 2 million cycles
- New patented system based on our RAMSES concept
- Same electrical length and IL for all RF paths
- No equivalent product on the market for SP6T model

## Applications

- Satellite telecommunications
- Test & Measurement
- Telecom