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SPDT 67 GHz **COAXIAL SWITCH**

V-Band Preferred Switch





To meet market demands for V-band equipment, Radiall developed a coaxial switch that operates up to 67 GHz. Fitted with 1.85 mm connectors, this new SPDT is perfectly suited for 5G applications.

PART NUMBER SELECTION R570

SERIES PREFIX

FREQUENCY RANGE
V: 1.85 mm up to 67 GHz

TYPE
1: Failsafe
2: Failsafe + I.C.
3: Latching
4: Latching + I.C.
5: Latching + S.C.O. [1]
6: Latching + S.C.O. + I.C. [1]

ACTUATOR VOLTAGE
2: 12 Vdc
3: 28 Vdc

TTL OPTION
0: Without TTL driver
1: With TTL driver [1 & 2]

OPTIONS
0: Without option
1: Positive common [2 & 3]
3: With suppression diodes [1]
4: With suppression diodes and positive common [1, 2 & 3]

ACTUATOR TERMINALS
0: Solder pins

Notes

I.C.: Indicator contact - S.C.O.: Self Cut-Off

1. Suppression diodes are already included in Self Cut-Off and TTL option.

2. Polarity is not relevant to application for switches with TTL driver.

3. Positive common shall be specified only with type 3, 4, 5 and 6 because failsafe switches can be used with both polarities.







This SPDT offers excellent RF performance and reliability for your V-band applications.

Operating Frequency (GHz)	DC - 6	6 - 12.4	12.4 - 18	18 - 26.5	26.5 - 40	40 - 50	50 - 67
V.S.W.R. max	1.3	1.4	1.5	1.7	1.9	1.9	1.9
Insertion loss max (dB)	0.3	0.4	0.5	0.7	0.8	1.1	1.1
Isolation min (dB)	70	60	60	55	50	50	50
Average Power (W) *Nominal Voltage at 25 °C*	80	60	50	20	10	5	3

FEATURES & BENEFITS

- *Frequency: DC - 67 GHz*
- *Excellent RF performance*
- *Life span: 2 million cycles*
- *Various options available*

APPLICATIONS

- *5G telecom*

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