RFSW-06-SP4T-A-U-S

USB-Controlled SP4T RF Switch

A USB-controlled absorptive SP4T RF switch for 100 MHz to 6 GHz, designed for RF signal routing in automated test setups.

100 MHz-6 GHz | **Absorptive SP4T topology** | **USB control and power**

RF characteristics

Parameter	Condition	Min.	Typ.	Max.	Unit
Frequency range	-	100	-	6000	MHz
Impedance	-	-	50	-	Ω
Port-to-port isolation	0.1-2 GHz	50	60	-	dB
Port-to-port isolation	2-4 GHz	40	55	-	dB
Port-to-port isolation	4-6 GHz	35	45	-	dB
Insertion loss	<2.5 GHz	-	2.5	3	dB
Insertion loss	<5 GHz	-	4	4.5	dB
Insertion loss	<6 GHz	-	4.5	5.5	dB
VSWR	-	-	1.5:1	2:1	-
RF input power	-	-	-	+29	dBm
P1dB	COM → active port	31	34	-	dBm
Input IP3	COM → active port	53	58	-	dBm

Interfaces and physical information

Control	USB
Power supply	5 V DC / 30 mA (USB)
RF connector	SMA (f)
Source body dimensions	79.5 x 62.93 x 17 mm
Mass	0.26 kg

Applications

- RF signal routing
- Automated test equipment
- Repeated test sequences

Configuration information

Technical values refer to the identified source configuration. The applicable configuration and operating conditions are confirmed at quotation.