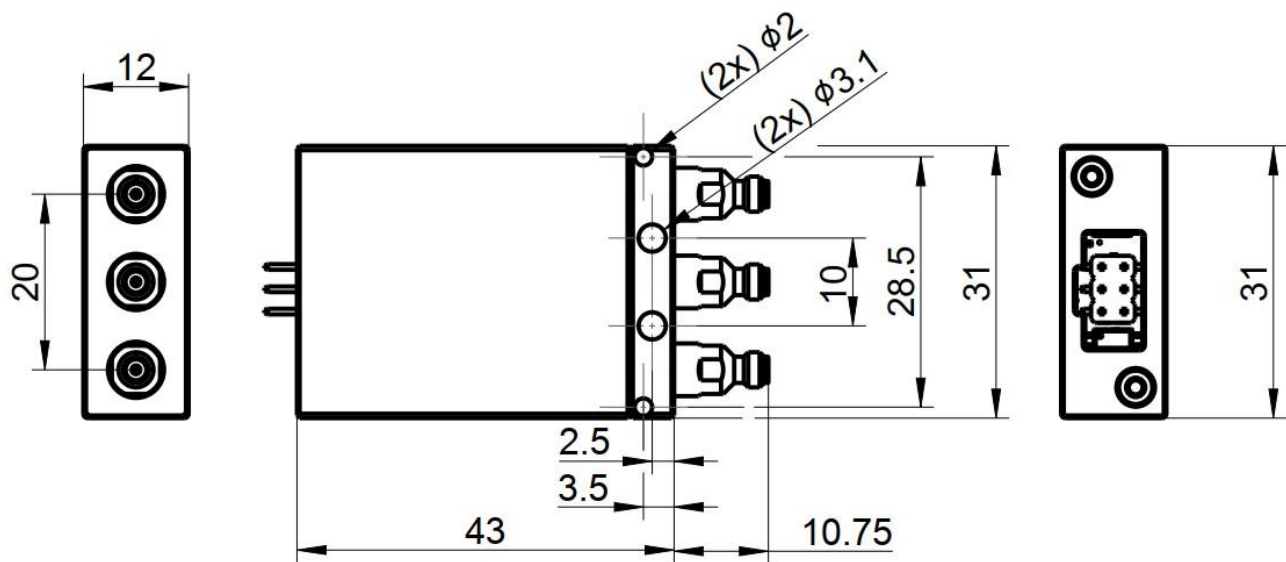


SWH-1P2T-110-1N



Dimensions in mm
Typical Tolerance $\pm 0.5\text{mm}$

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Configuration

Connector Type	1.0 Female
Connector Outer Contact	Stainless steel (SUS303), Passivation
Connector Center Contact	Beryllium Copper, Gold
Switch Sequence	Break-Before-Make
Switching Speed	$\leq 15\text{ms}$
Control Interface	JTAG 2*3P (2.54)

Electrical Characteristics

Impedance	50Ω
Frequency Range	DC to 110GHz
Isolation	DC to 9 GHz: 90 dB 9 to 26.5 GHz: 80 dB 26.5 to 40 GHz: 70 dB 40 to 54 GHz: 65 dB 54 to 67 GHz: 60 dB 67 to 90 GHz: 55 dB 90 to 110 GHz: 50 dB
VSWR	DC to 4 GHz: 23.1 dB (1.15) 4 to 12.4 GHz: 20.8 dB (1.20) 12.4 to 20 GHz: 16.5 dB (1.35)

Coaxial Switch Datasheet



	20 to 30 GHz: 15.6 dB (1.40) 30 to 54 GHz: 12.7 dB (1.60) 54 to 67 GHz: 10.0 dB (1.92) 67 to 90 GHz: 9.5 dB (2.0) 90 to 110 GHz: 8.5 dB (2.2)
Insertion Loss	0.35 + 0.023 x frequency (GHz)
Supply Voltage	24VDC
Supply Current	200mA
Supply Current (Quiescent)	50mA

Mechanical Properties

Contacting Mating Cycle	500 times
Operating Life	1 million Cycles Measured In 25 °C

Environment Data

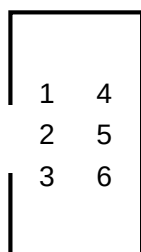
Working Temperature	-25°C ~ +75°C
Storage Temperature	-55°C ~ +85°C

Order Information

P/N	Description
SWH-1P2T-110-1N	SP2T Coaxial Switch 1.0 Connector, Latching, TTL, DC-110GHz

Standard drive

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- 1: +24Vdc
- 2: Drive TTL P1
- 3: Drive TTL P2
- 4: GND
- 5: -
- 6: -

Notes:

- 1、Connect pin 1 to 24 VDC; pin 4 to GND
- 2、Select (close) desired RF path by applying ground to the corresponding "drive" pin; for example, TTL pin 2 to close RF P1.

