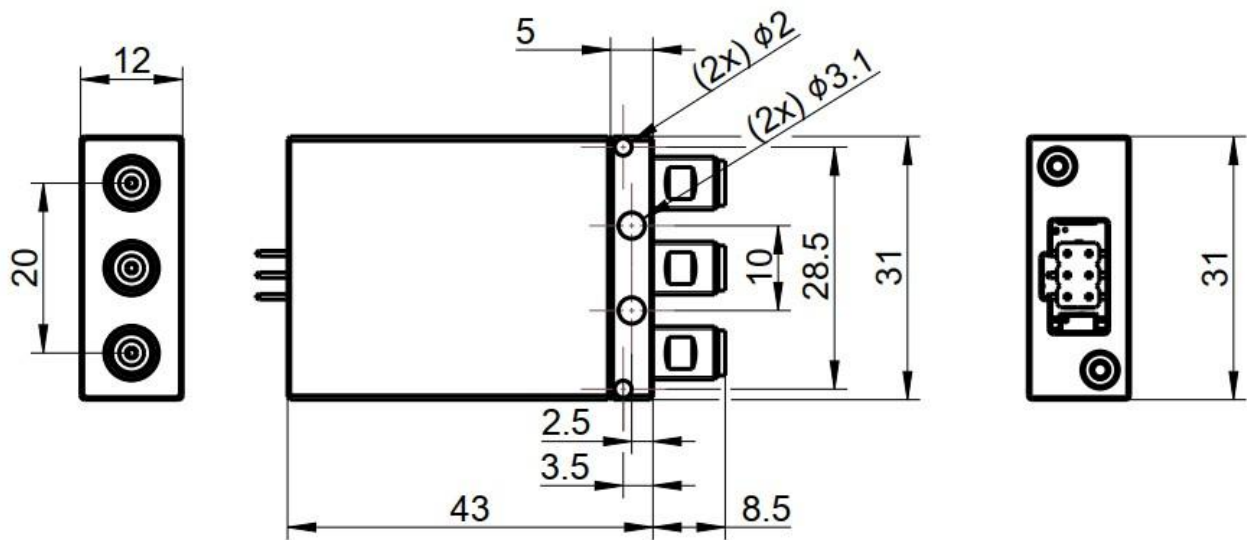


SWH-1P2T-40-1N



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

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Configuration

Connector Type	2.92 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 40GHz
Isolation	100dB Minimum DC-12GHz 80dB Minimum 12-15GHz 70dB Minimum 15-20GHz 65dB Minimum 20-40GHz
VSWR	1.3 Maximum DC-4GHz 1.35 Maximum 4-12.4GHz 1.5 Maximum 12.4-18GHz 1.7 Maximum 18-26.5GHz 1.95 Maximum 26.5-40GHz

Coaxial Switch Datasheet



Insertion Loss	0.28dB+0.015x f(GHz), DC-26.5GHz 0.030 x frequency (GHz) – 0.1dB, 26.5 to 40 GHz
Supply Voltage	24VDC
Supply Current	200mA
Supply Current (Quiescent)	50mA

Mechanical Properties

Contacting Mating Cycle	500 times
Operating Life	2 million Cycles Measured In 25 °C

Environment Data

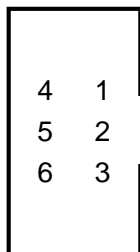
Working Temperature	-25°C ~ +75°C
Storage Temperature	-55°C ~ +85°C

Order Information

P/N	Description
SWH-1P2T-40-1N	SP2T Coaxial Switch 2.92 Connector, Latching, TTL level, DC-40GHz

TTL Standard drive

Draft



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

Instructions TTL drive:

- 1、Connect pin 1 to 24 VDC
- 2、Connect pin 4 to GND.
- 3、Select (ON) desired RF path by applying TTL "High" to the corresponding "drive" pin; for example apply TTL "High" to pin 2 to ON RF path 1.
- 4、To select another path, ensure that all unwanted RF path "drive" pins are at TTL "Low" (to prevent multiple RF path engagement). Apply TTL "High" to the "drive" pin which corresponds to the desired RF path.

