

# QPS2-0.009-4000-R

## SP2T, 9KHz~4GHz, Reflective

**Features:**

- \* Low Insertion Loss
- \* High Isolation

**Applications:**

- \* Wireless
- \* Transmitter
- \* Laboratory Test
- \* Radar


**Electrical**

Frequency:	9KHz~4GHz
Insertion Loss:	0.8dB typ.
Isolation:	20dB typ.
VSWR (ON State):	1.25 typ.
Current:	10mA max.
Control Voltage:	-5~+5V
Differential Voltage Difference:	2.7V min.
Control:	High - 1 @ -2.3~+5V Low - 0 @ -5~+2.3V

**Absolute Maximum Ratings\*1**

RF Input Power:	+5W
Voltage:	+8V

[1] Permanent damage may occur if any of these limits are exceeded.

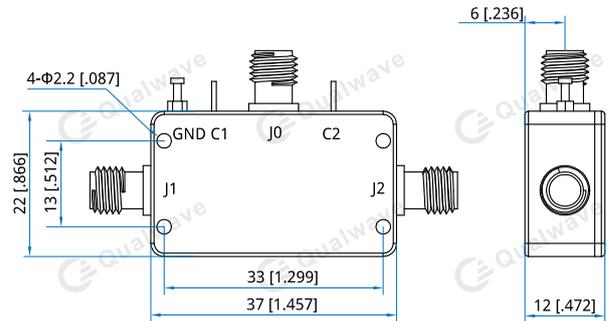
**Mechanical**

Size*2:	37*22*12mm 1.457*0.866*0.472
Switching Time:	100ns typ.
RF Connectors:	SMA Female
Power Supply Connectors:	Feed Through/Terminal Post
Housing Material:	Aluminum
Mounting:	4-Φ2.2mm through-hole

[2] Exclude connectors.

**Environmental**

Operating Temperature:	-40~+85°C
Non-operating Temperature:	-65~+150°C

**Outline Drawings**


Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

**Control True Table**

C1	C2	Connection
1	0	J0 - J1 On
0	1	J0 - J2 On

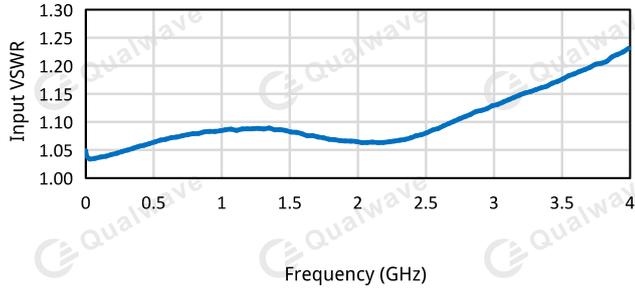
**How To Order**

**QPS2-0.009-4000-R**

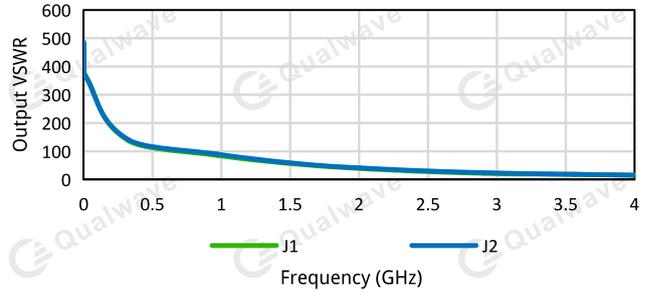
Customization is available upon request.

**Typical Performance Curves**

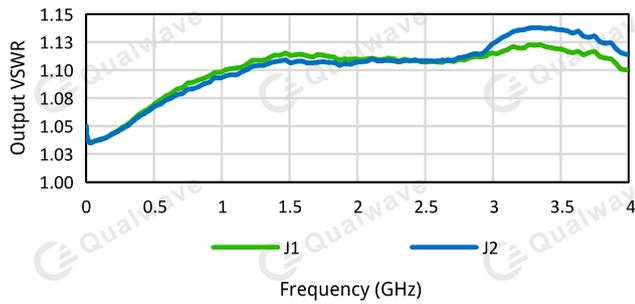
Input VSWR (J0) vs. Frequency



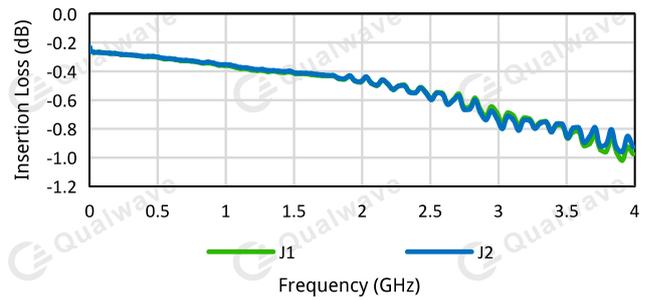
Output VSWR (Off state) vs. Frequency



Output VSWR (On state) VSWR vs. Frequency



Insertion Loss vs. Frequency



Isolation vs. Frequency

