

QPS2-9K-8000-A

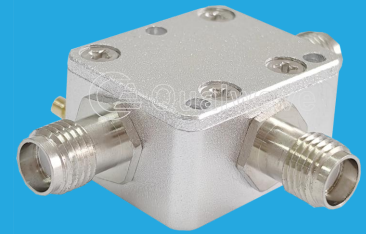
SPDT, 9kHz~8GHz, Absorptive

Features:

- * Low Insertion Loss
- * High Isolation

Applications:

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



Electrical

Frequency:	9kHz~8GHz
Insertion Loss:	2.2dB max.
Isolation:	30dB typ.
VSWR (On state):	1.2 typ.
VSWR (Off state):	1.4 typ.
Input Power (P1dB):	25dBm typ. @1~8GHz
Switching Time:	25ns typ.
Voltage:	+5V DC
Current:	10mA typ.
Control:	High - 1 @2.5~5V Low/NC - 0 @0~0.8V

Absolute Maximum Ratings*1

RF Input Power:	27dBm
Control Voltage:	+5.5V

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

Mechanical

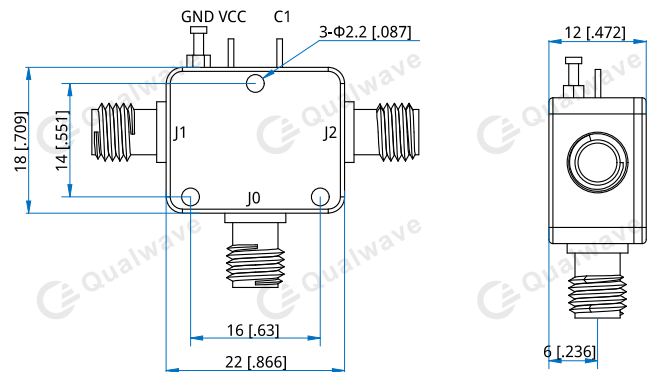
Size*2:	22*18*12mm 0.866*0.709*0.472in
RF Connectors:	SMA female
Power Supply Connectors:	Feed through/Terminal post
Mounting:	3-Φ2.2mm through-hole

[2] Exclude connectors.

Environmental

Operating Temperature:	-45~+85°C
Non-operating Temperature:	-55~+125°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

Control True Table

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

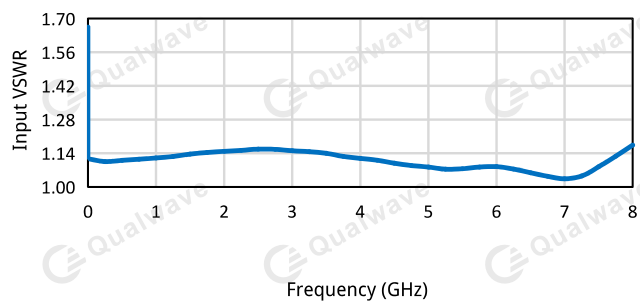
How To Order

QPS2-9K-8000-A

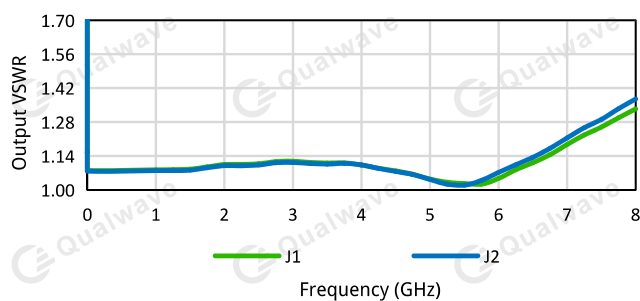
Customization is available upon request.

Typical Performance Curves

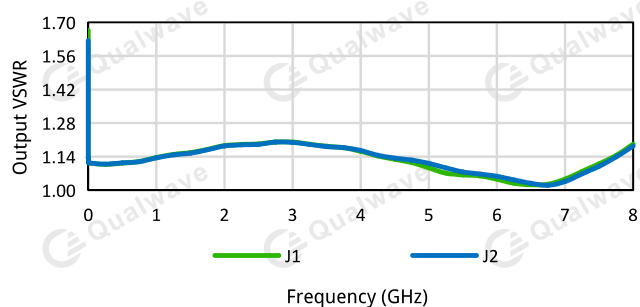
Input VSWR (J0) vs. Frequency



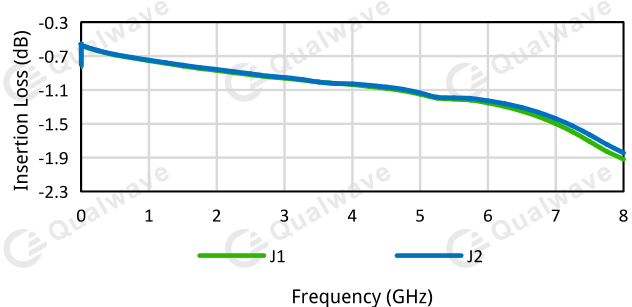
Output VSWR (Off state) vs. Frequency



Output VSWR (On state) vs. Frequency



Insertion Loss vs. Frequency



Isolation vs. Frequency

