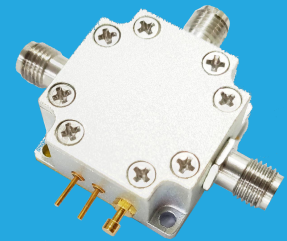


QPS2-20-6000-R

SPDT, 0.02~6GHz, 5W, Reflective

Features:
 * Low Insertion Loss
 * High Isolation

Applications:
 * Wireless
 * Transmitter
 * Laboratory Test
 * Radar



Electrical

| | |
|-----------------|------------------------------|
| Frequency: | 0.02~6GHz |
| Insertion Loss: | 1dB typ. |
| Isolation: | 30dB typ. |
| VSWR: | 2.0 max. |
| Voltage: | +5V DC |
| Current: | 50mA typ. |
| Impedance: | 50Ω |
| Control: | TTL High -1 TTL Low/NC -0 |

Absolute Maximum Ratings*1

| | |
|------------------|-------|
| RF Input Power: | 37dBm |
| Voltage: | +6V |
| Control voltage: | +5.5V |

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

Mechanical

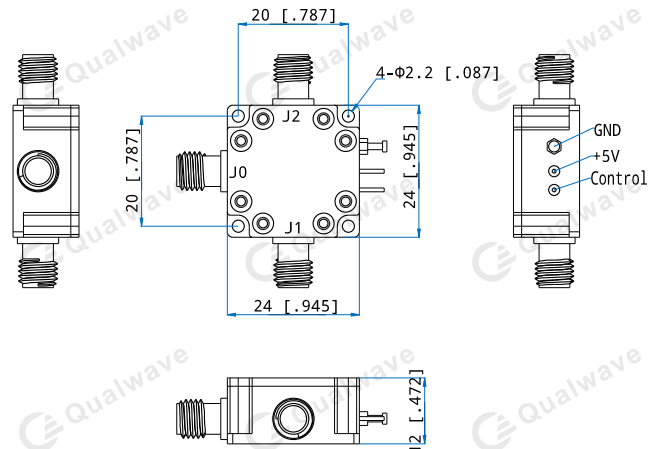
| | |
|--------------------------|---------------------------------------------|
| Size*1: | 24*20*12mm max. 0.945*0.787*0.472in max. |
| Switching Time: | 3uS max. |
| Weight: | 18g |
| Material: | Aluminum |
| RF Connectors: | SMA Female |
| Power Supply Connectors: | Feed Through/Terminal Post |
| Mounting: | 4-Φ2.2mm through-hole |

[1] Exclude connectors.

Environmental

| | |
|----------------------------|-----------|
| Operating Temperature: | -20~+75°C |
| Non-operating Temperature: | -40~+85°C |

Outline Drawings



Unit: mm [in]
 Tolerance: ±0.2mm [±0.008in]

Control True Table

| Ctrl | Connection |
|------|-------------------------|
| 0 | J0 - J2 On, J0 - J1 Off |
| 1 | J0 - J1 On, J0 - J2 Off |

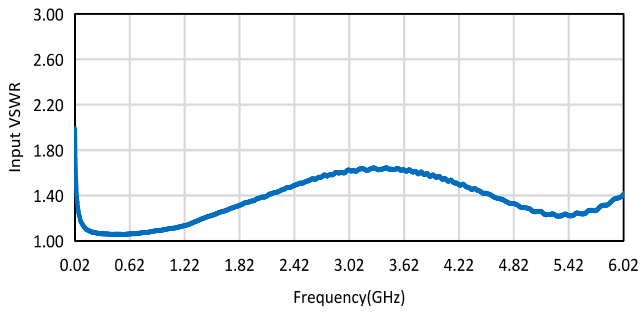
How To Order

QPS2-20-6000-R

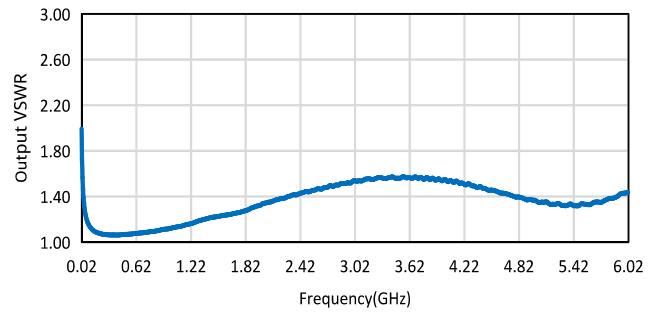
Customization is available upon request.

Typical Performance Curves

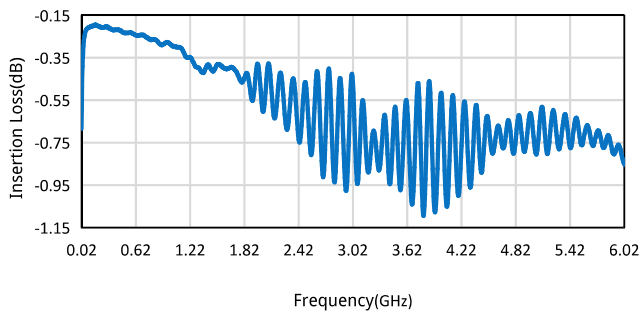
Input VSWR vs. Frequency



Output VSWR vs. Frequency



Insertion Loss vs. Frequency



Isolation vs. Frequency

