FPS2-0.009-4000-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

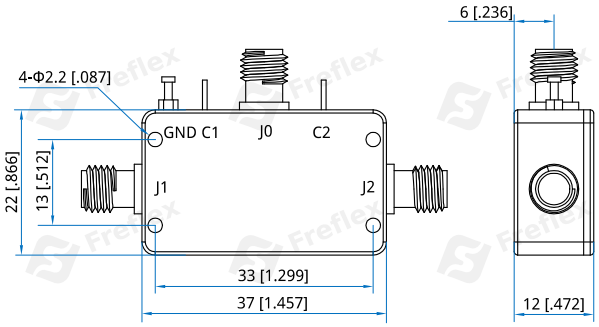
Size*2:	37*22*12mm 1.457*0.866*0.472
Switching Time:	100nS typ.
RF Connectors:	SMA Female
Power Supply Connectors:	Feed Through/Terminal Post
Housing Material:	Aluminum
Mounting:	4-Φ2.2mm through-hole

[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

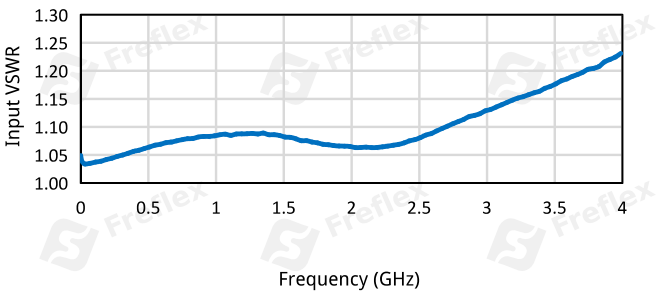
How To Order

FPS2-0.009-4000-R

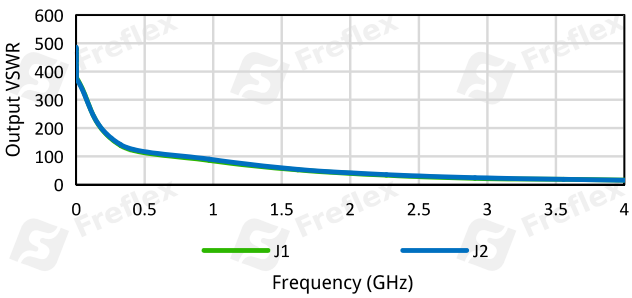
Customization is available upon request.

Typical Performance Curves

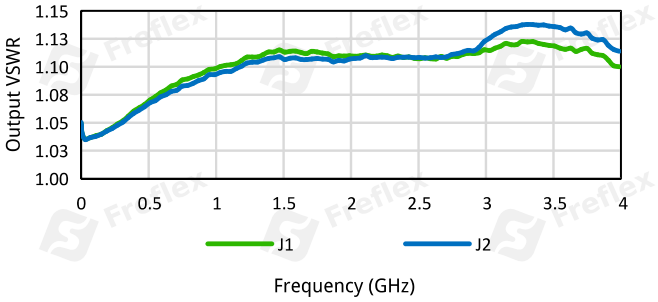
Input VSWR (J0) vs. Frequency



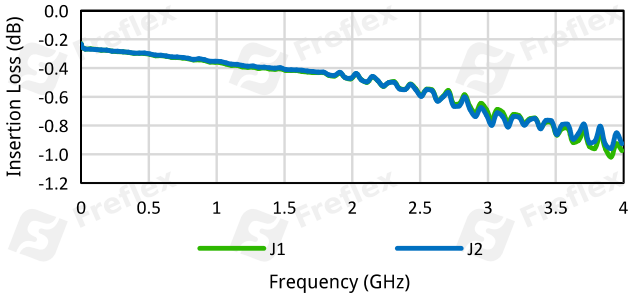
Output VSWR (Off state) vs. Frequency



Output VSWR (On state) VSWR vs. Frequency



Insertion Loss vs. Frequency



Isolation vs. Frequency