

FPS4-5-6000-A

SP4T, 0.005~6GHz, Absorptive

Features:

- * Low Insertion Loss
- * High Isolation

Applications:

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


Electrical

Frequency:	0.005~6GHz
Insertion Loss:	1.5dB typ.
Isolation:	40dB typ.
VSWR:	1.3 typ.
Voltage/Current:	+5V DC/10mA typ.
Switching Time:	200ns typ.
Control:	TTL High - 1
	TTL Low/NC - 0
Impedance:	50Ω

Absolute Maximum Ratings*1

Average Power:	37dBm max. (On state)
	27dBm max. (Off state)
Voltage:	6V max.

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

Mechanical

Size*2:	54*40*12mm
	2.126*1.575*0.472in
RF Connectors:	SMA Female
Power Supply & Control Connectors:	Feed Through/Terminal Post
Mounting:	4-Φ2.7mm through-hole

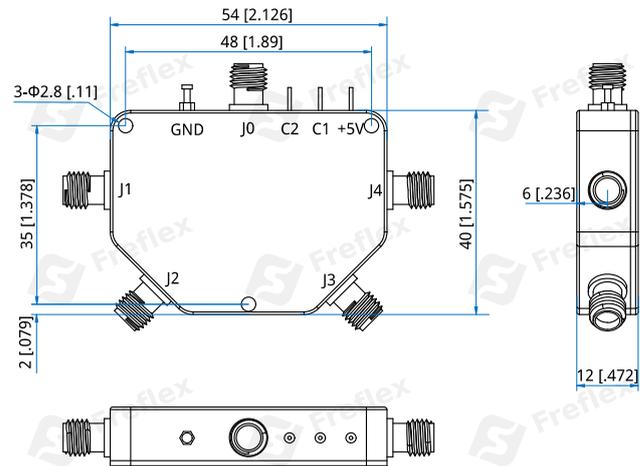
[2] Exclude connectors.

Environmental

Operating Temperature:	-25~+85°C
Non-operating Temperature:	-40~+125°C

Control True Table

C2	C1	Connection
0	0	J0 - J1 On
1	1	J0 - J2 On
1	0	J0 - J3 On
0	1	J0 - J4 On

Outline Drawings


Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

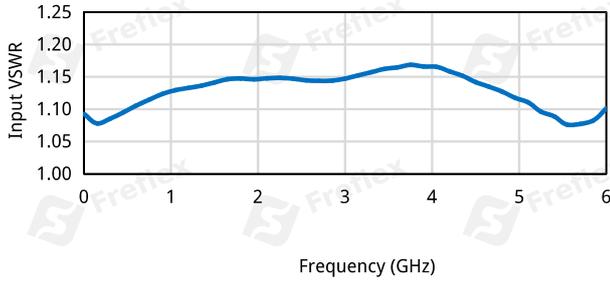
How To Order

FPS4-5-6000-A

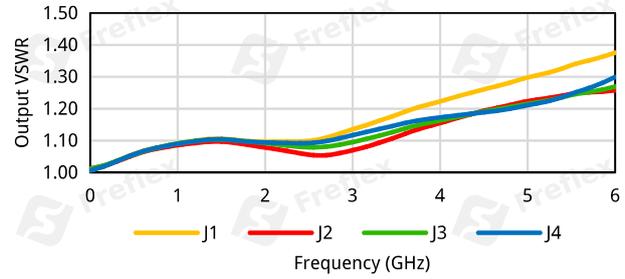
Customization is available upon request.

Typical Performance Curves

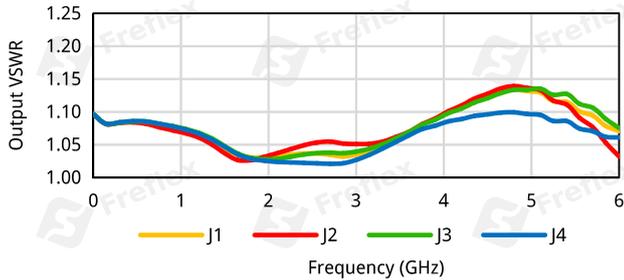
Input VSWR (J0) vs. Frequency



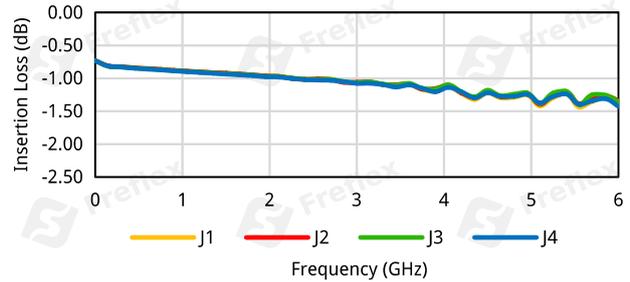
Output VSWR (Off state) vs. Frequency



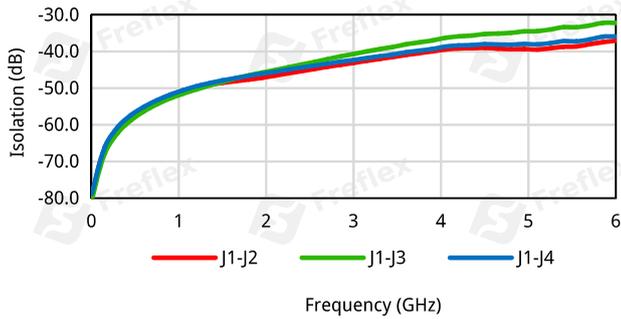
Output VSWR (On state) VSWR vs. Frequency



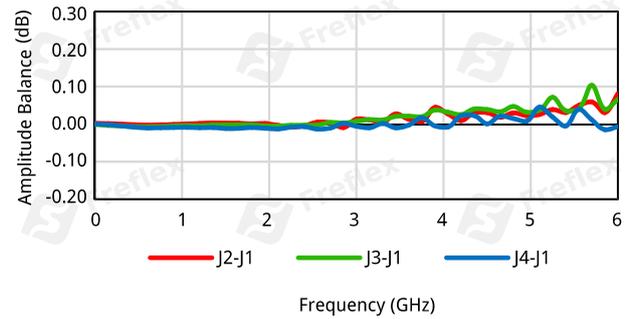
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude Balance vs. Frequency



Phase Balance vs. Frequency

