

### FPD2-5-4200-1

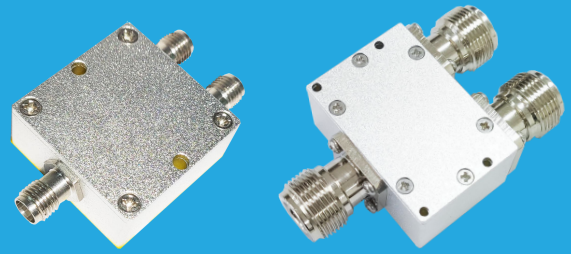
2-Way, 0.005~4.2GHz

**Features:**

- \* Small Size
- \* Low Insertion Loss

**Applications:**

- \* Amplifiers
- \* Mixers
- \* Antennas
- \* Laboratory Test


**Electrical**

Frequency:	0.005~4.2GHz
Insertion Loss:	1dB typ.
VSWR:	2 typ.@0.005~2GHz 3 typ.@2~4.2GHz
Isolation:	20dB typ.@0.005~2GHz 14dB typ.@2~4.2GHz
Amplitude Balance:	±0.5dB
Phase Balance:	±4°
Impedance:	50Ω
Power @SUM Port:	1W max. as divider 1W max. as combiner

**Mechanical**

Connectors*1:	SMA Female N Female TNC Female SMP Male
---------------	--

[1] Female connectors can be replaced with male connectors on request.

**Environmental**

Operating Temperature:	-40~+85°C
Non-operating Temperature:	-55~+100°C

**How To Order**

**FPD2-5-4200-1-X**

X: Connector type

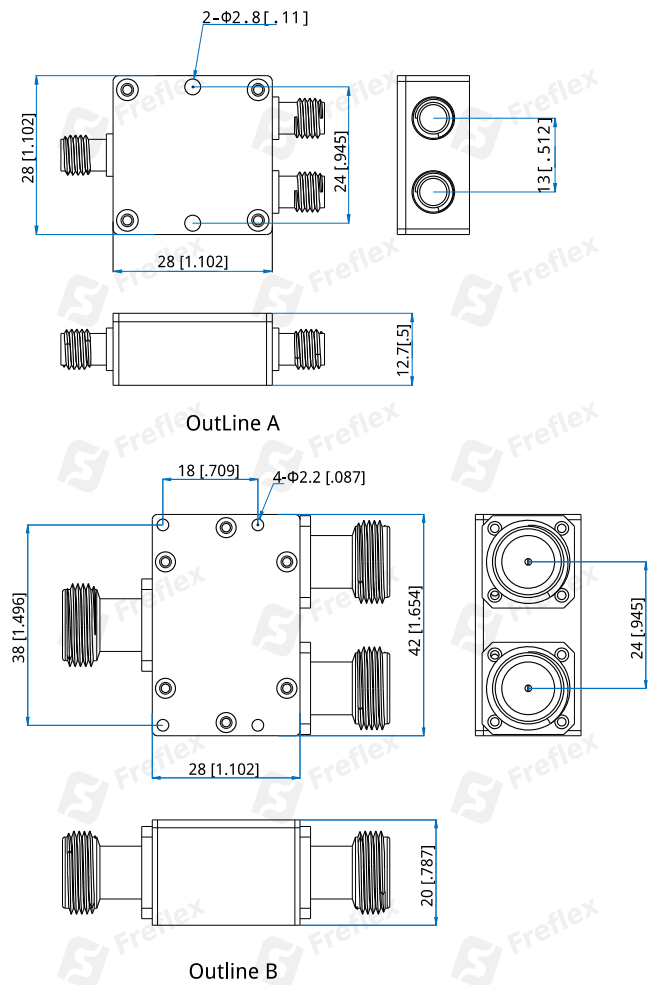
Connector naming rules:

- S - SMA Female (Outline A)
- N - N Female (Outline B)
- T - TNC Female
- P - SMP Male

Examples:

To order a 2-way power divider, 0.005~4.2GHz, 1W, SMA female, specify FPD2-5-4200-1-S.

Customization is available upon request.

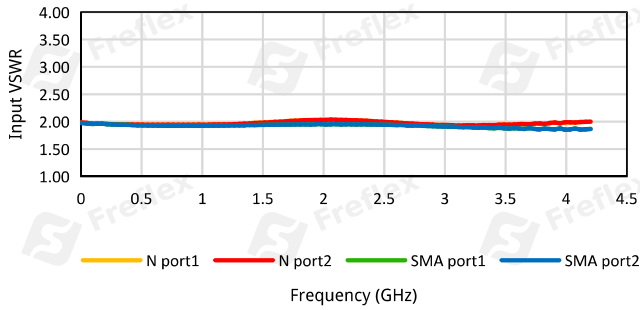
**Outline Drawings**


Unit: mm [in]

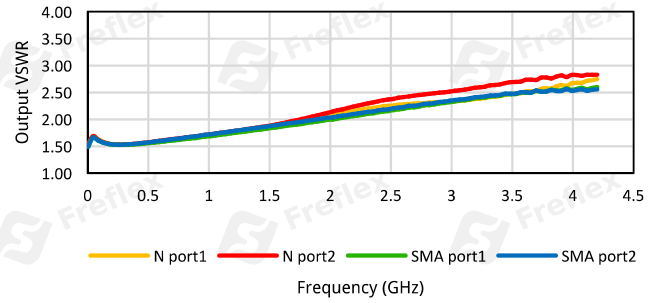
Tolerance: ±0.5mm [±0.02in]

### Typical Performance Curves

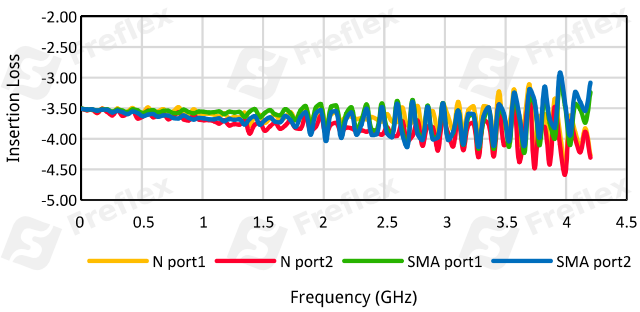
Input VSWR vs. Frequency



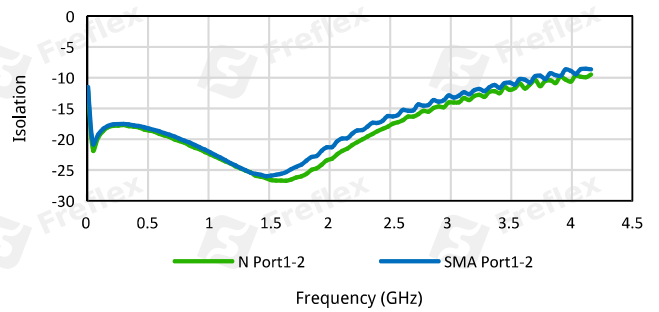
Output VSWR vs. Frequency



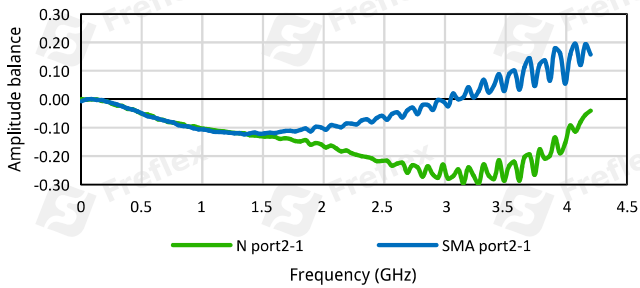
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude balance vs. Frequency



Phase balance vs. Frequency

