

## FPD4-950-2150-30-DC

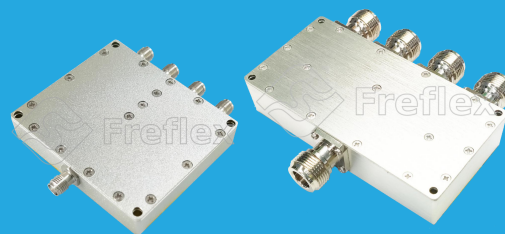
4-Way, 0.95~2.15GHz

### Features:

- \* Small Size
- \* Low Insertion Loss

### Applications:

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



### Electrical

|                    |                                            |
|--------------------|--------------------------------------------|
| Frequency:         | 0.95~2.15GHz                               |
| Insertion Loss:    | 0.6dB max.                                 |
| Input VSWR:        | 1.25 max.                                  |
| Output VSWR:       | 1.2 max.                                   |
| Isolation:         | 25dB min.                                  |
| Amplitude Balance: | ±0.3dB                                     |
| Phase Balance:     | ±2°                                        |
| Impedance:         | 50Ω                                        |
| Power @SUM Port:   | 30W max. as divider<br>2W max. as combiner |
| Voltage:           | +50V DC                                    |
| Current:           | 2A max.                                    |

### Mechanical

|               |                                    |
|---------------|------------------------------------|
| Size*1(SMA):  | 64*56*12mm<br>2.52*2.205*0.472in   |
| Size*1(N):    | 100*50*20mm<br>3.937*1.969*0.787in |
| Connectors*2: | SMA Female<br>N Female             |
| Mounting:     | 4-Φ3.2mm through-hole              |

[1] Exclude connectors.

[2] Female connectors can be replaced with male connectors on request

### Environmental

|                            |           |
|----------------------------|-----------|
| Operating Temperature:     | -35~+75°C |
| Non-operating Temperature: | -45~+85°C |

### How To Order

**FPD4-950-2150-30-Y-DC**

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

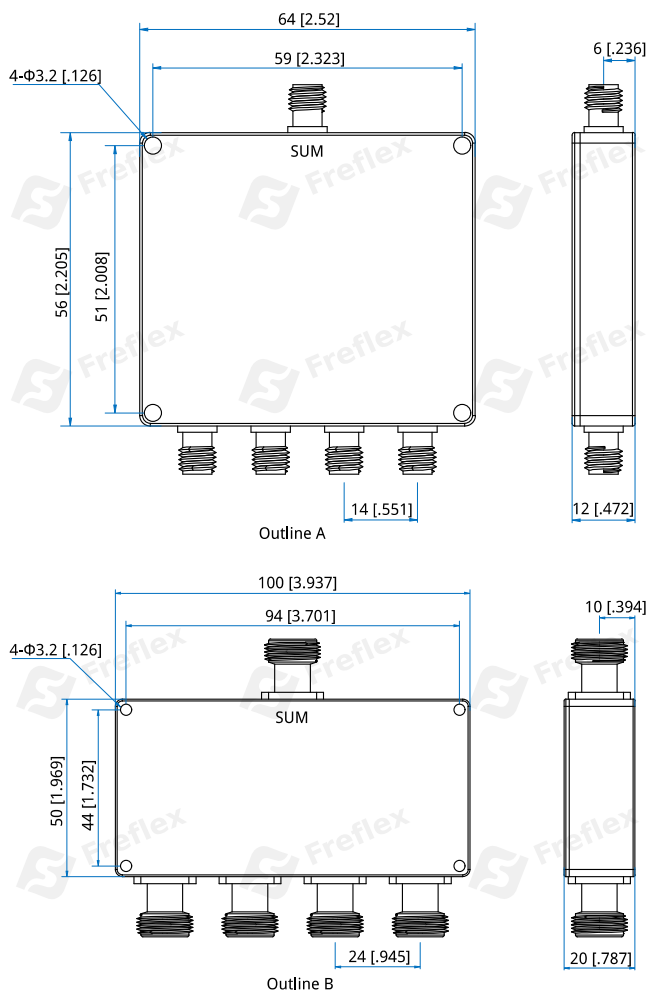
N - N Female (Outline B)

Examples:

To order a 4-way power divider, 0.95~2.15GHz, 30W, SMA female, port 2 and 3 are DC blocked, specify FPD4-950-2150-30-S-DC with comments port 2 and port 3 are DC blocked.

Customization is available upon request.

### Outline Drawings



Specify the ports to be DC blocked when place the order.

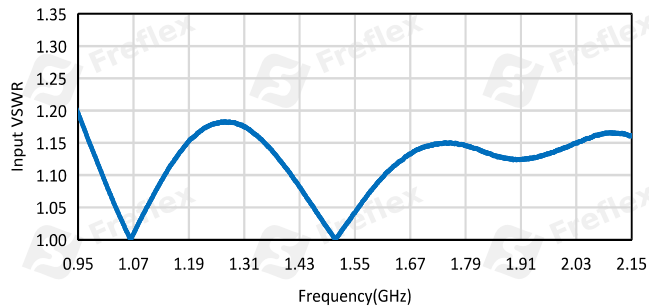
Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

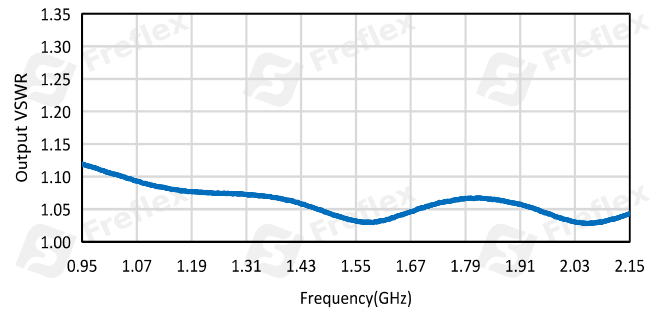
## Typical Performance Curves

### SMA

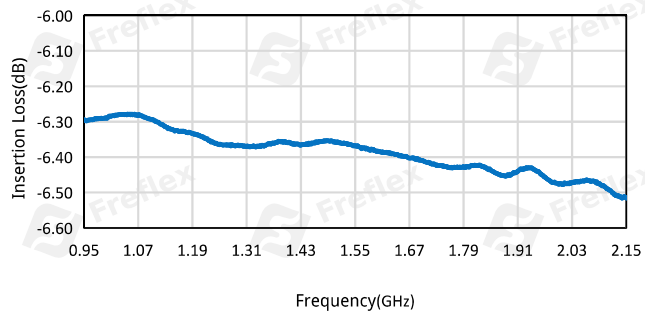
Input VSWR vs. Frequency



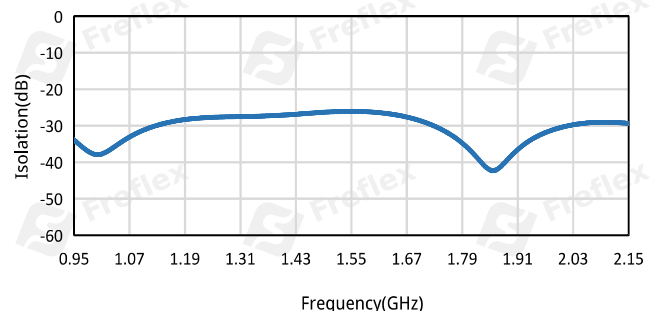
Output VSWR vs. Frequency



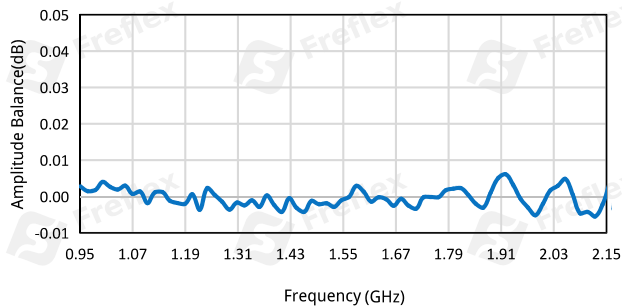
Insertion Loss vs. Frequency



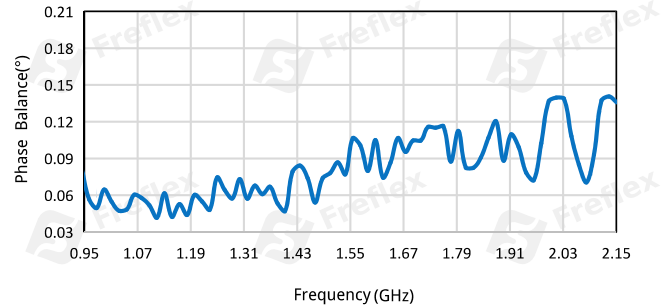
Isolation vs. Frequency



Amplitude Balance vs. Frequency

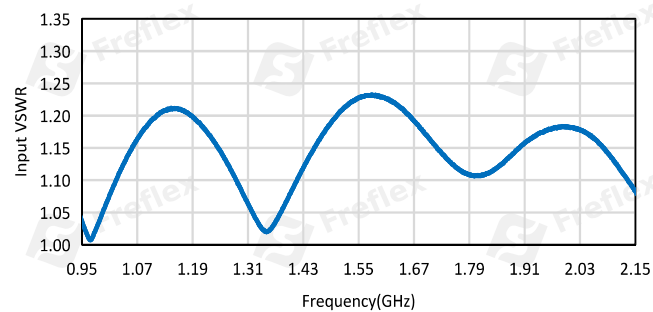


Phase Balance vs. Frequency

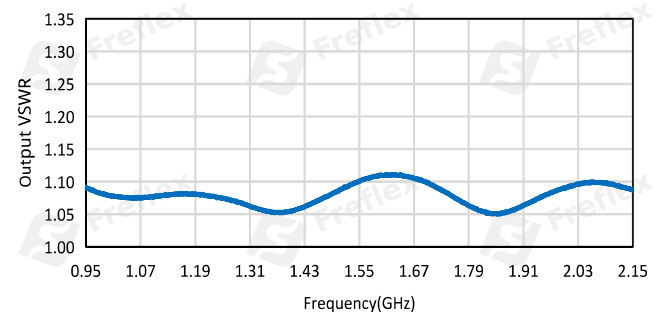


### N

Input VSWR vs. Frequency

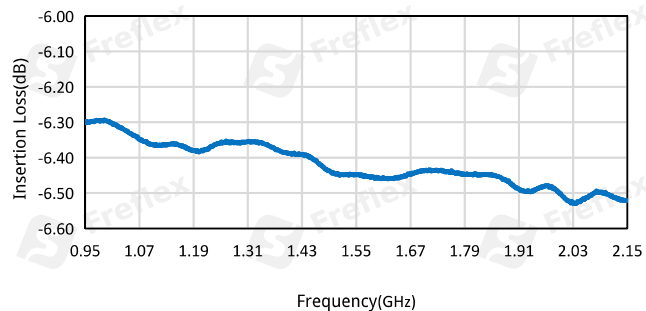


Output VSWR vs. Frequency

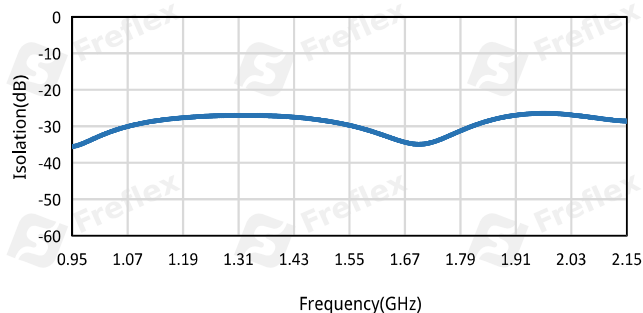


## 4-Way Power Dividers/Combiners

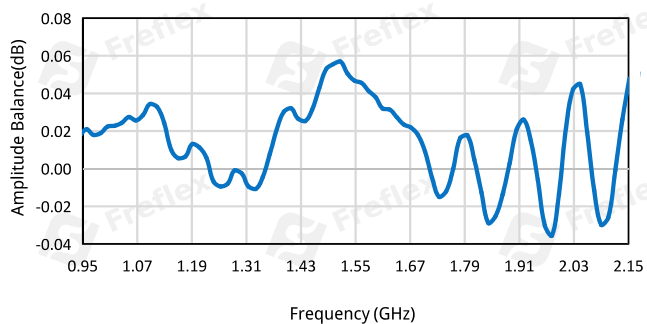
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude Balance vs. Frequency



Phase Balance vs. Frequency

