

### FPD2-500-6000-30-DC

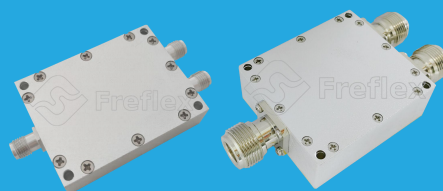
2-Way, 0.5~6GHz

#### Features:

- \* Small Size
- \* Low Insertion Loss

#### Applications:

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



#### Electrical

Frequency:	0.5~6GHz
Insertion Loss:	1.2dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.25 max.
Isolation:	20dB min.
Amplitude Balance:	±0.2dB
Phase Balance:	±3°
Impedance:	50Ω
Power @SUM Port:	30W max. as dividers 2W max. as combiner
Voltage:	+50V DC
Current:	2A max.

#### Mechanical

Connectors*1:	SMA Female N Female
Mounting:	4-Φ2.8mm through-hole (SMA)
Mounting:	4-Φ3.2mm through-hole (N)

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

#### Environmental

Operation Temperature: -35~+75°C

#### How To Order

**FPD2-500-6000-30-Y-DC**

Y: Connector type

Connector naming rules:

S - SMA female (Outline A)

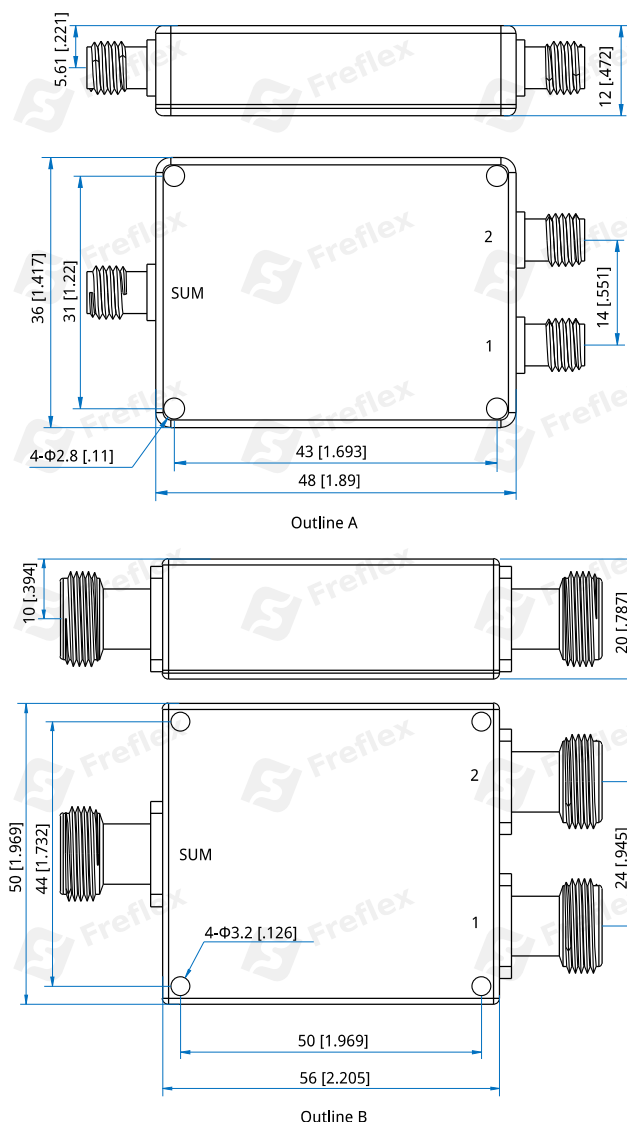
N - N female (Outline B)

Examples:

To order a 2-Way Power Divider/Combiner, 0.5~6GHz, 30W, SMA Female, port 1 is DC blocked, specify FPD2-500-6000-30-S-DC with comments port 1 is DC blocked.

Customization is available upon request.

#### Outline Drawings



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

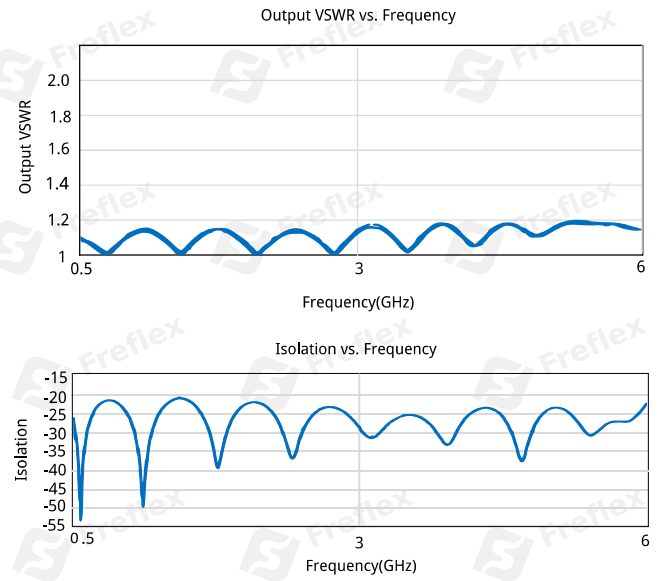
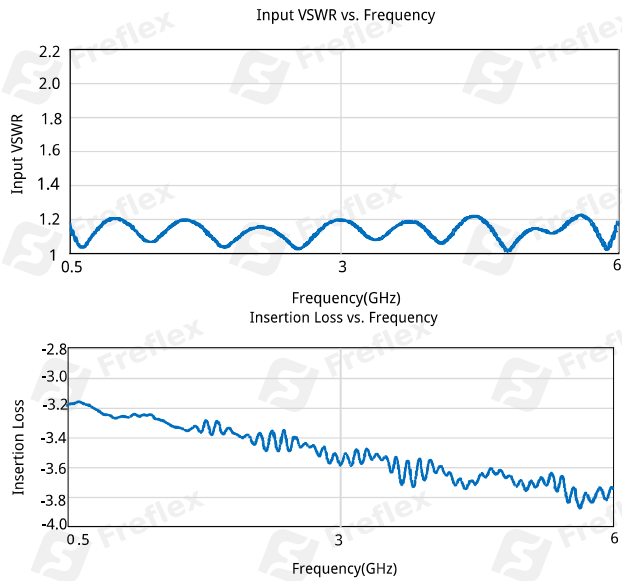
Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

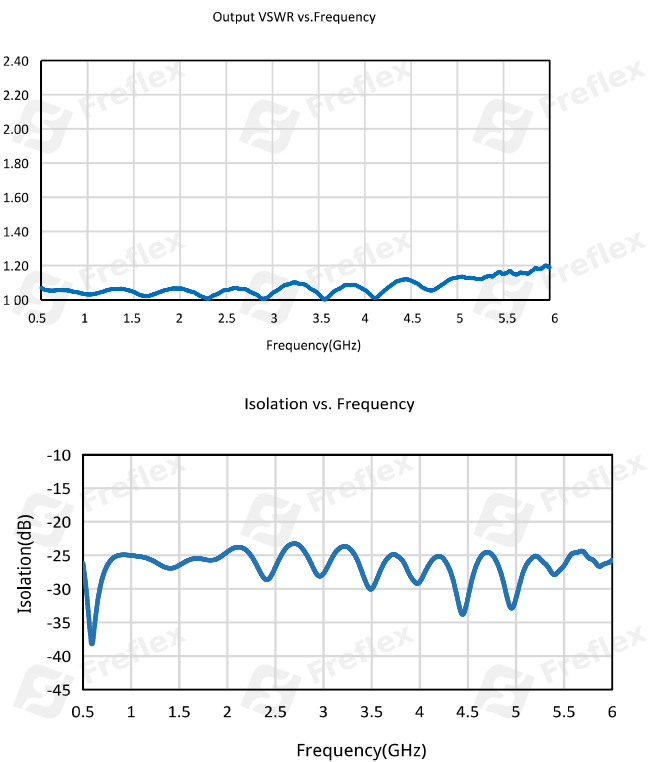
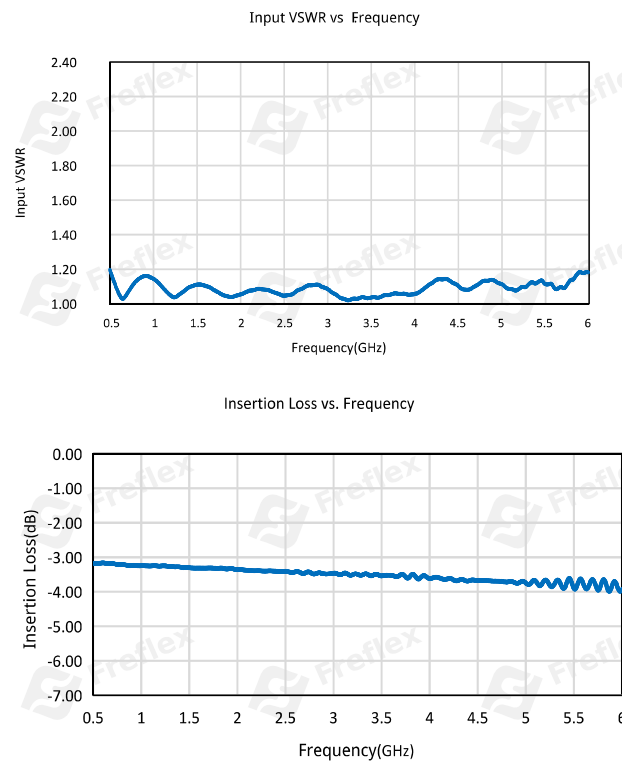
## 2-Way Power Dividers/Combiners

### Typical Performance Curves

#### SMA

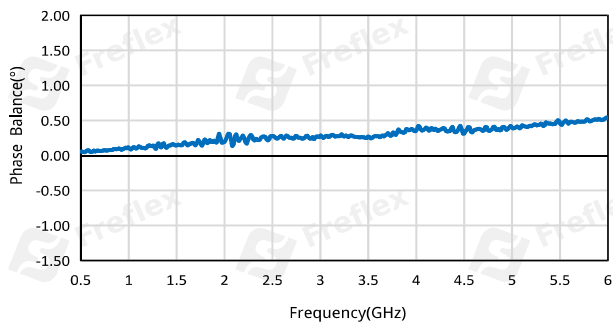


#### N



## 2-Way Power Dividers/Combiners

Phase Balance vs. Frequency



Amplitude Balance vs. Frequency

