

FPD2-500-6000-30

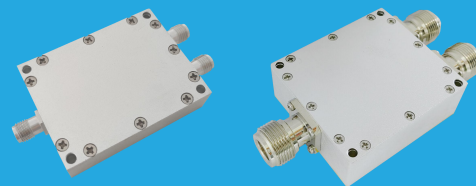
2-Way, 0.5~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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



Electrical

Frequency:	0.5~6GHz
Insertion Loss ^{*1} :	1.1dB max. (SMA) 1.2dB max. (N)
Input VSWR:	1.25 max.
Output VSWR:	1.25 max.
Isolation:	20dB min.
Amplitude Balance:	±0.1dB
Phase Balance:	±1°
Impedance:	50Ω
Power @SUM Port:	30W max. as divider 2W max. as combiner

[1] Excluding theoretical loss 3.0dB.

Mechanical

Connectors ^{*2} :	SMA Female N Female TNC Female SMP Male
Mounting:	4-Φ2.8mm through-hole (SMA)
Mounting:	4-Φ3.2mm through-hole (N)

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

Environmental

Operation Temperature: -35~+75°C

How To Order

FPD2-500-6000-30-Y

Y: Connector type

Connector naming rules:

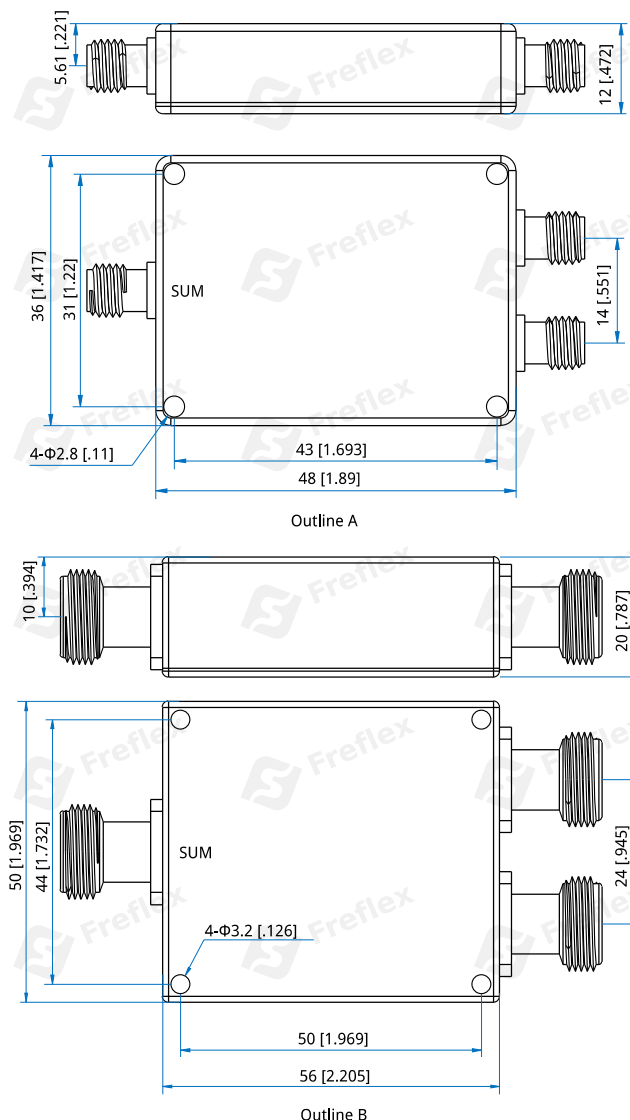
- S - SMA Female (Outline A)
- N - N Female (Outline B)
- T - TNC Female
- P - SMP Male

Examples:

To order a 2-way power divider, 0.5~6GHz, 30W, N female, specify FPD2-500-6000-30-N.

Customization is available upon request.

Outline Drawings



Unit: mm [in]

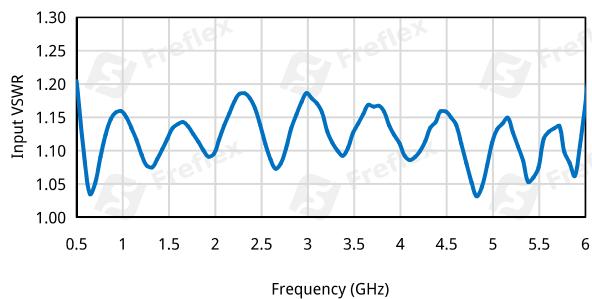
Tolerance: ±0.5mm [±0.02in]

2-Way Power Dividers/Combiners

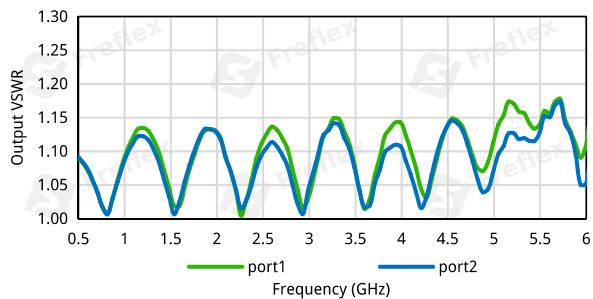
Typical Performance Curves

SMA

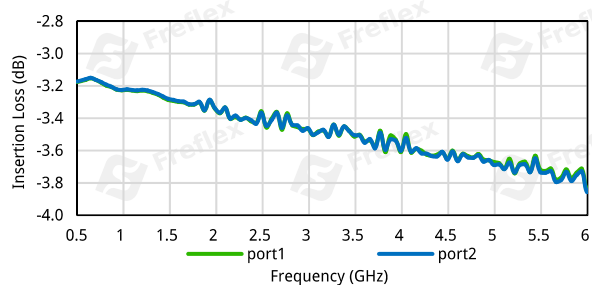
Input VSWR vs. Frequency



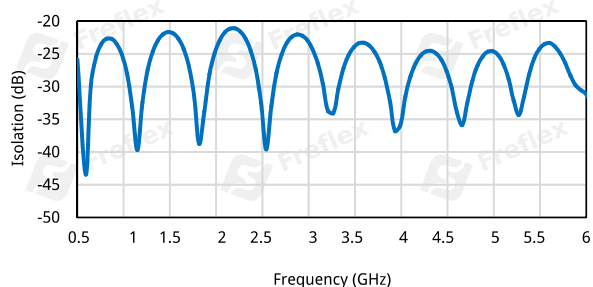
Output VSWR vs. Frequency



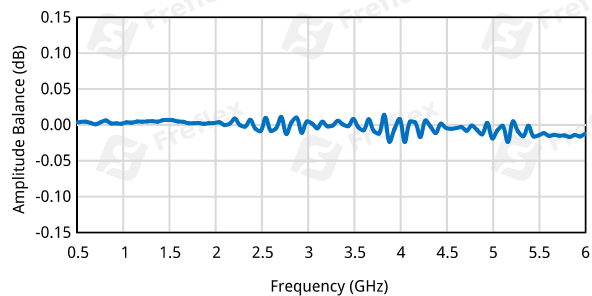
Insertion Loss vs. Frequency



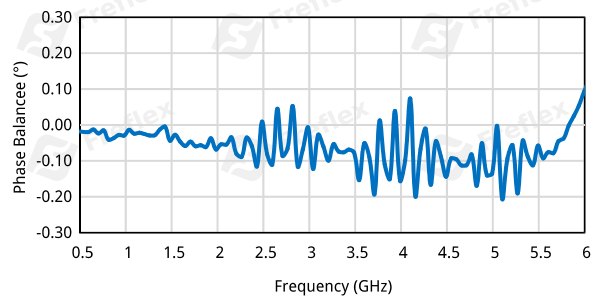
Isolation vs. Frequency



Amplitude Balance vs. Frequency

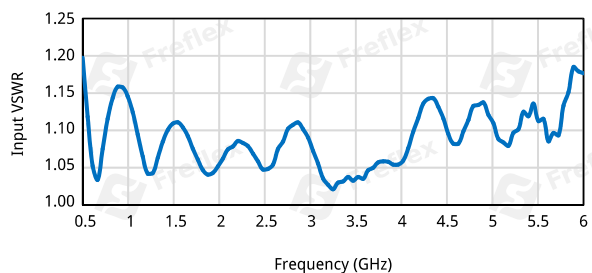


Phase Balance vs. Frequency

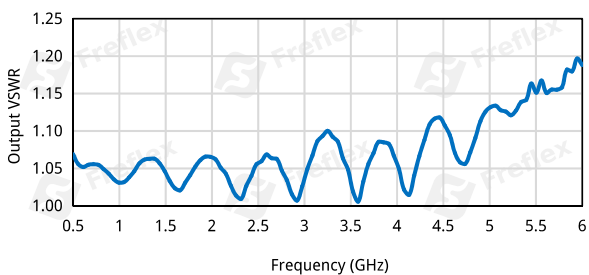


N

Input VSWR vs. Frequency

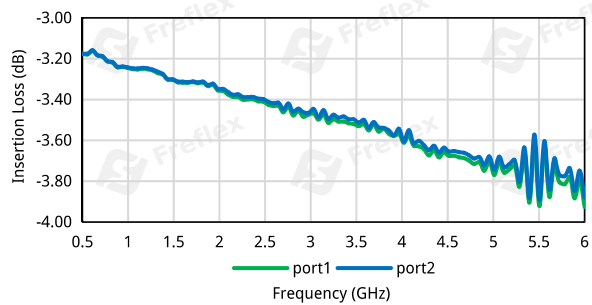


Output VSWR vs. Frequency

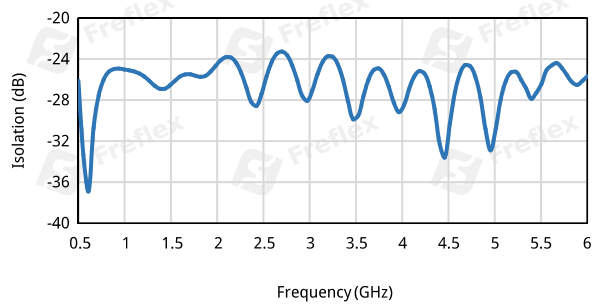


2-Way Power Dividers/Combiners

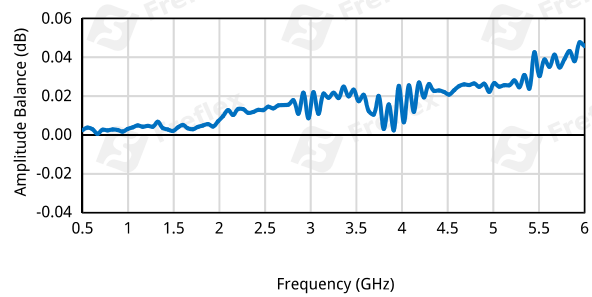
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude Balance vs. Frequency



Phase Balance vs. Frequency

