

FPD4-2000-8000-30

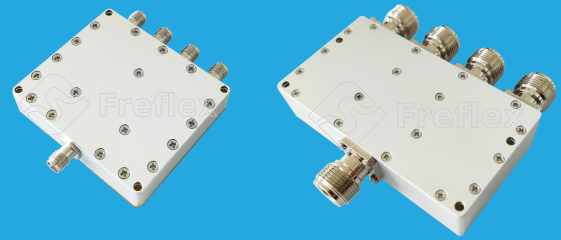
4-Way, 2~8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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



Electrical

Frequency:	2~8GHz
Insertion Loss:	1.1dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.25 max.
Isolation:	20dB min.
Amplitude Balance:	±0.3dB max.
Phase Balance:	±1°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

Size ^{*1} (SMA):	58*50*12mm 2.283*1.969*0.472in
Size ^{*1} (N):	92*50*20mm 3.622*1.969*0.787in
Connectors ^{*2} :	SMA Female N Female TNC Female SMP Male

[1] Exclude connectors.

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

Environmental

Operating Temperature:	-45~+85°C
Non-operating Temperature:	-55~+95°C

How To Order

FPD4-2000-8000-30-Y

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

N - N Female (Outline B)

T - TNC Female

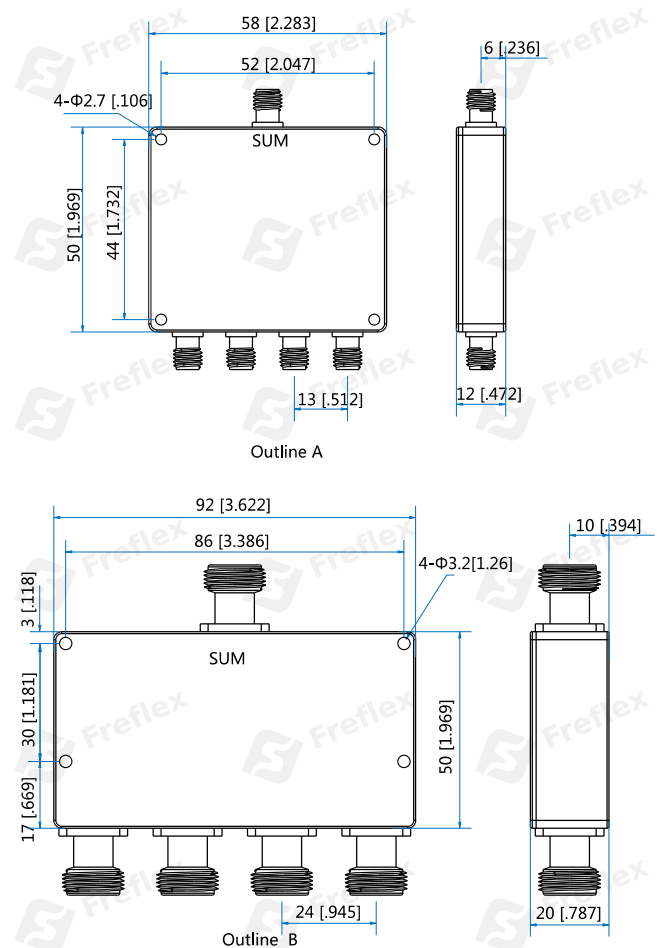
P - SMP Male

Examples:

To order a 4-way power divider, 2~8GHz, 30W, N female, specify FPD4-2000-8000-30-N.

Customization is available upon request.

Outline Drawings



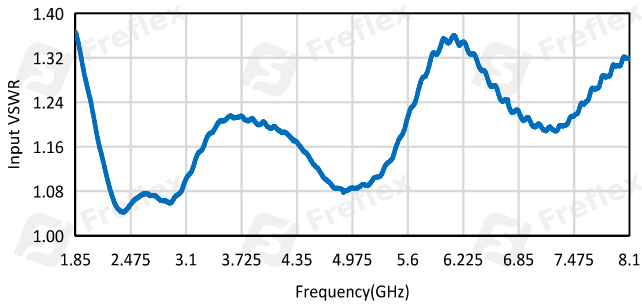
Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

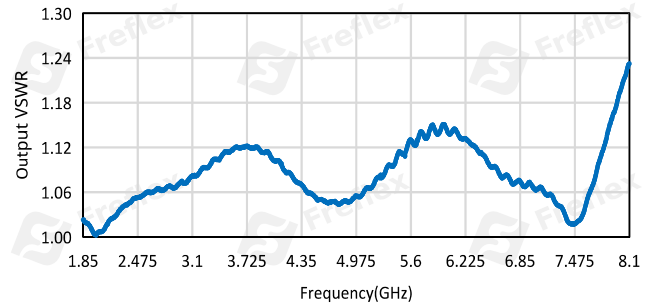
Typical Performance Curves

SMA

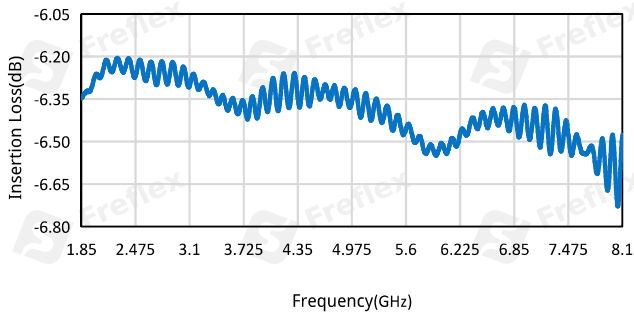
Input VSWR vs. Frequency



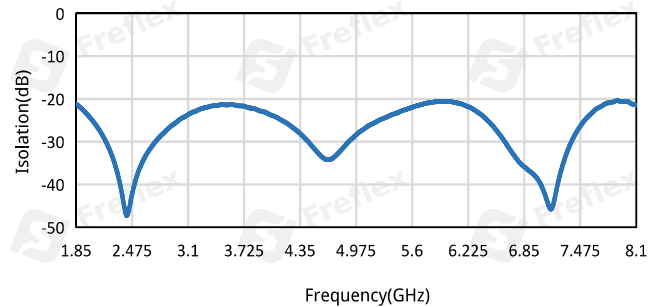
Output VSWR vs. Frequency



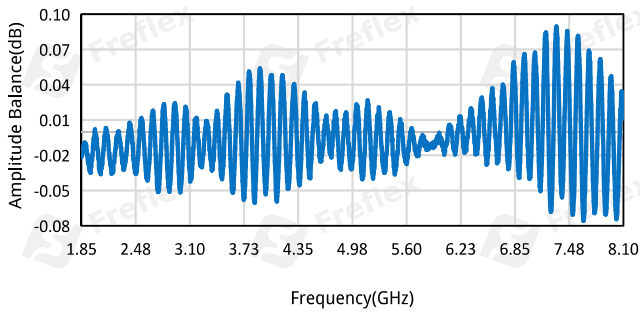
Insertion Loss vs. Frequency



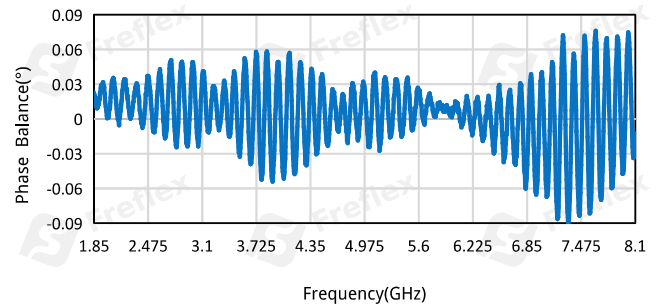
Isolation vs. Frequency



Amplitude Balance vs. Frequency



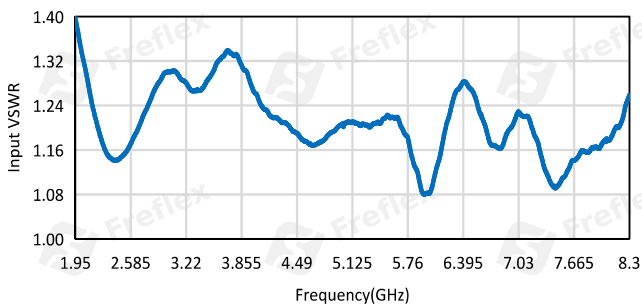
Phase Balance vs. Frequency



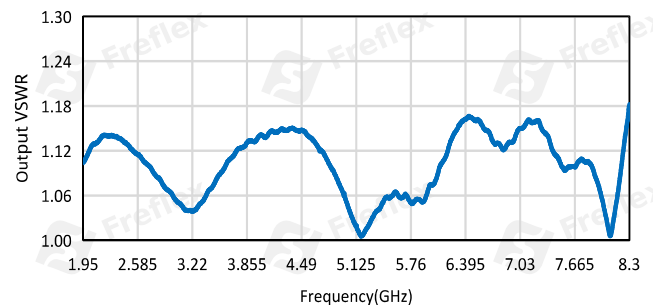
Typical Performance Curves

N

Input VSWR vs. Frequency

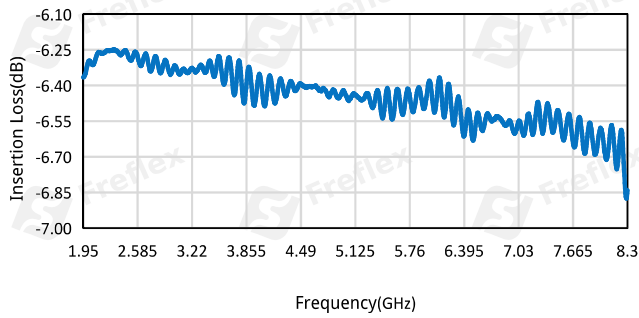


Output VSWR vs. Frequency

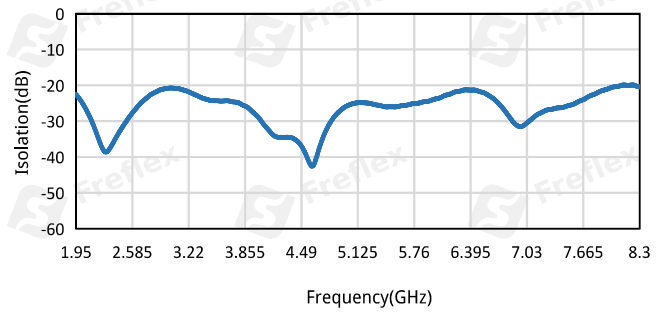


4-Way Power Dividers/Combiners

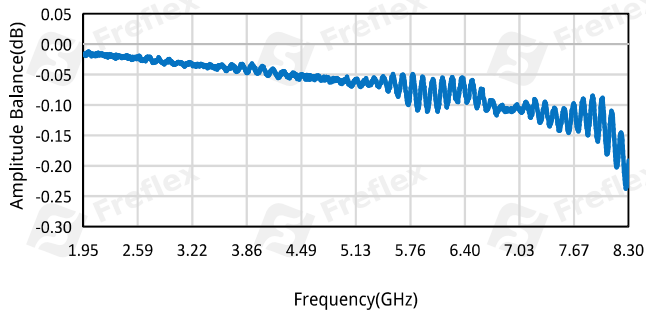
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude Balance vs. Frequency



Phase Balance vs. Frequency

