

FPD4-400-6000-30

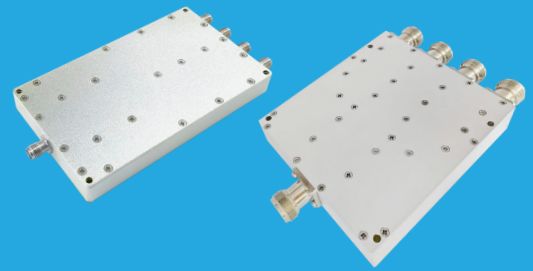
4-Way, 0.4~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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



Electrical

Frequency:	0.4~6GHz
Insertion Loss:	2dB max.
Input VSWR:	1.35 max.
Output VSWR:	1.25 max.
Isolation:	20dB min.
Amplitude Balance:	±0.3dB max.
Phase Balance:	±5°
Impedance:	50Ω
Power @SUM Port:	30W max. as divider 2W 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:	-35~+75°C
Non-operating Temperature:	-45~+85°C

How To Order

FPD4-400-6000-30-Y

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

N - N Female (Outline B)

T - TNC Female

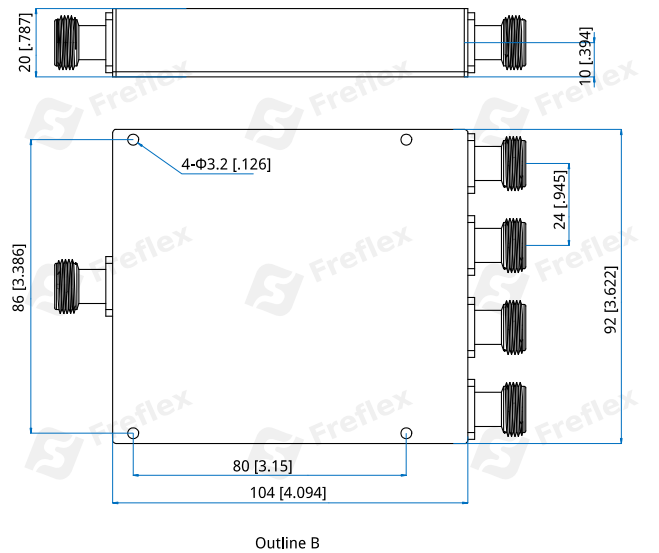
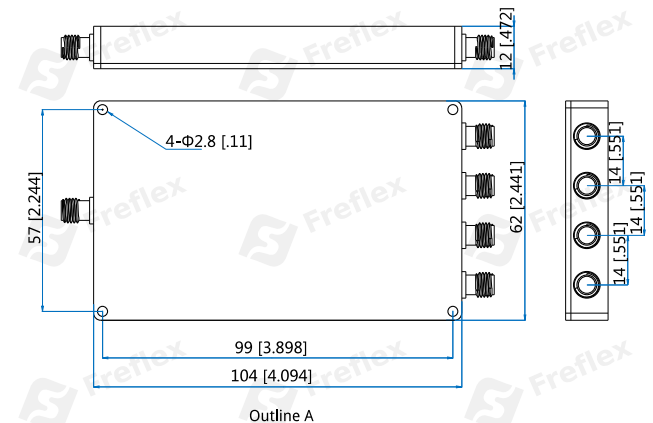
P - SMP Male

Examples:

To order a 4-way power divider, 0.4~6GHz, 30W, N female, specify FPD4-400-6000-30-N.

Customization is available upon request.

Outline Drawings



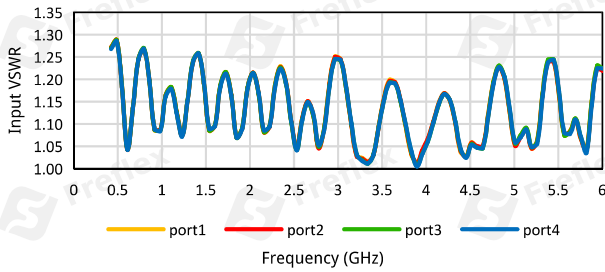
Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

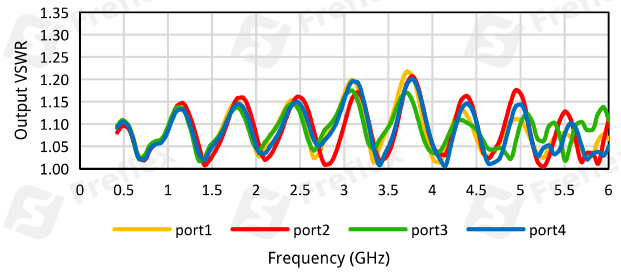
Typical Performance Curves

SMA

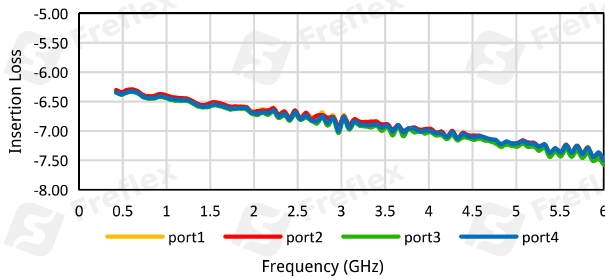
Input VSWR vs. Frequency



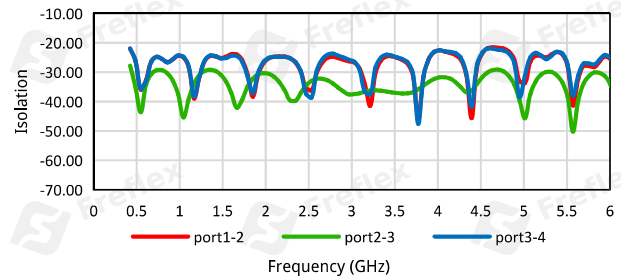
Output VSWR vs. Frequency



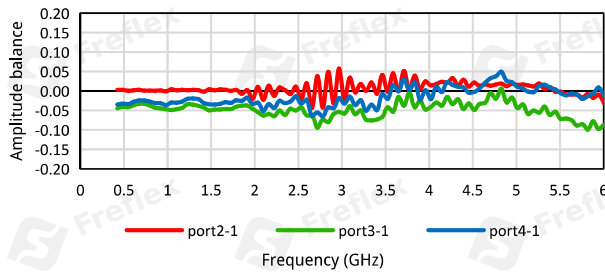
Insertion Loss vs. Frequency



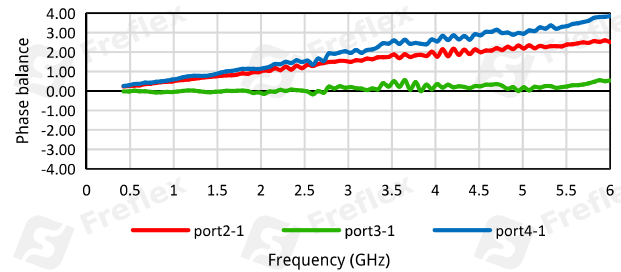
Isolation vs. Frequency



Amplitude balance vs. Frequency

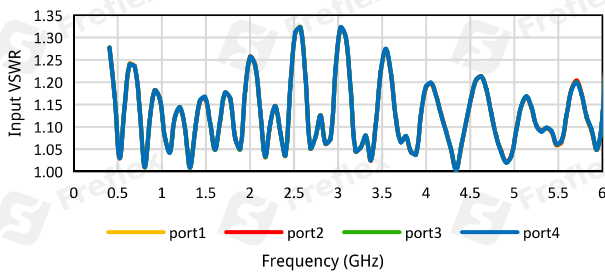


Phase balance vs. Frequency

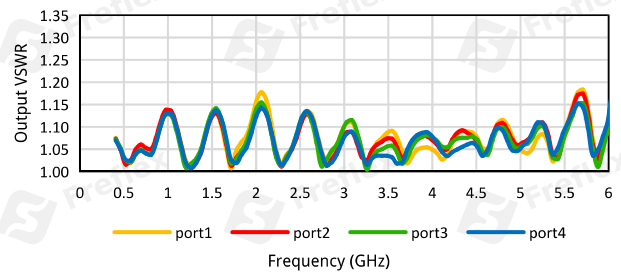


N

Input VSWR vs. Frequency

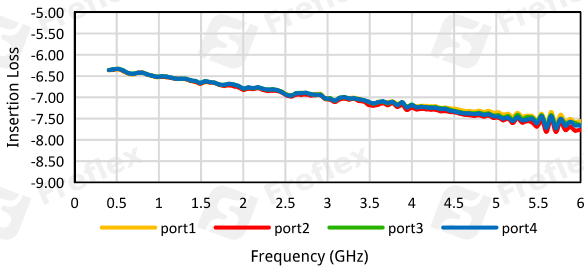


Output VSWR vs. Frequency

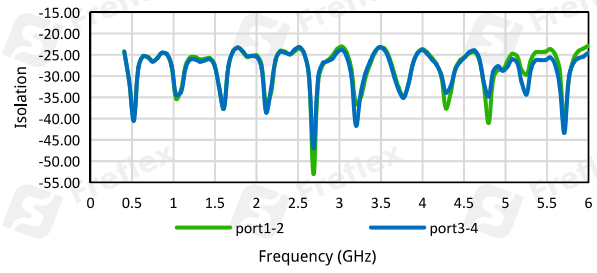


4-Way Power Dividers/Combiners

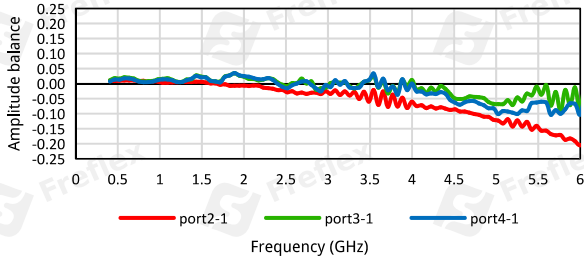
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude balance vs. Frequency



Phase balance vs. Frequency

