

FPD4-5-1000-1

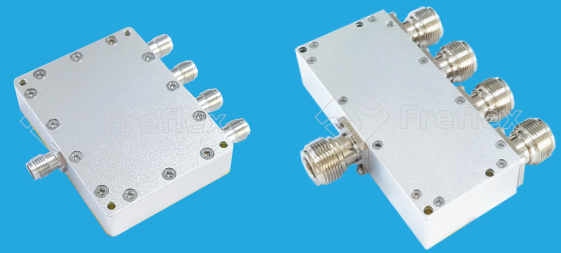
4-Way, 0.005~1GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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



Electrical

Frequency:	0.005~1GHz
Insertion Loss:	2dB max.
Input VSWR:	1.2 max (SMA) 1.25 max (N)
Output VSWR:	1.4 max (SMA) 1.5 max (N)
Isolation:	16dB min.
Amplitude Balance:	±0.2dB max.
Phase Balance:	±1°
Impedance:	50Ω
Average Power:	1W max. 0.5W max. as combiner

Mechanical

Size ^{*1} (SMA):	54*40*12mm 1.126*1.575*0.472in
Size ^{*1} (N):	90*40*20mm 3.543*1.575*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.

How To Order

FPD4-5-1000-1-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, 0.005~1GHz, 1W, N female, specify FPD4-5-1000-1-N.

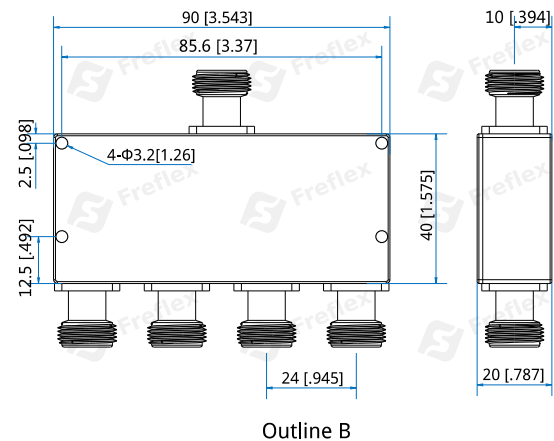
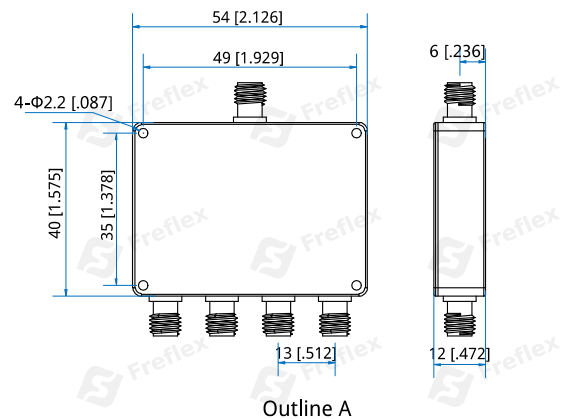
Customization is available upon request.

Environmental

Operating Temperature: -35~+75°C

Storage temperature: -45~+85°C

Outline Drawings



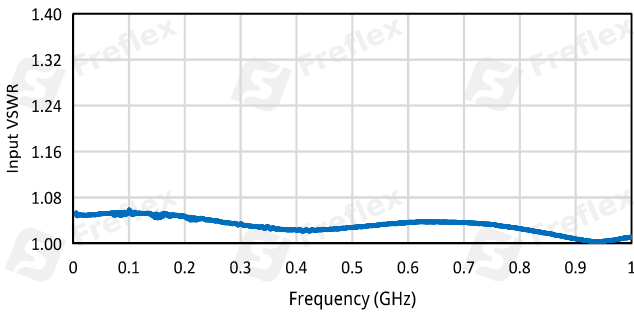
Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

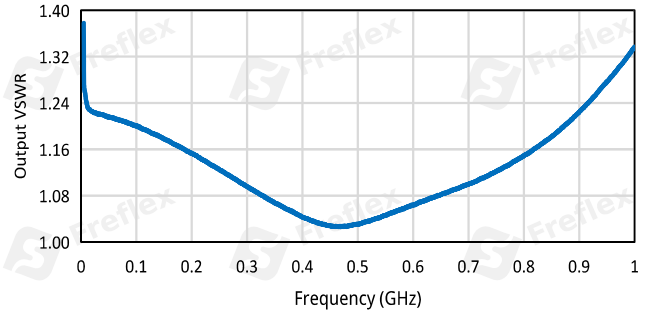
Typical Performance Curves

SMA

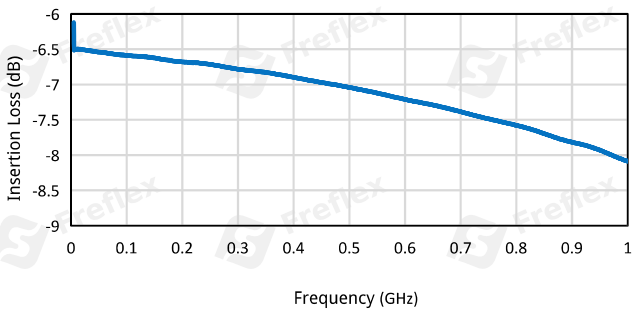
Input VSWR vs. Frequency



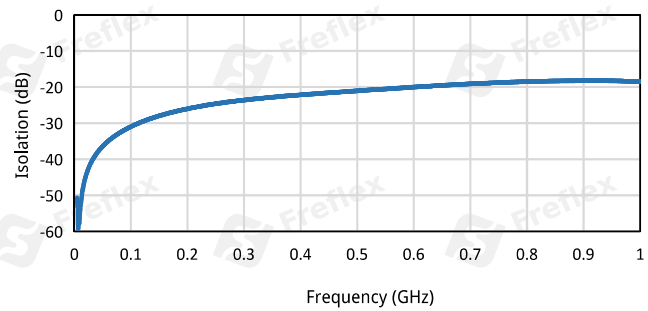
Output VSWR vs. Frequency



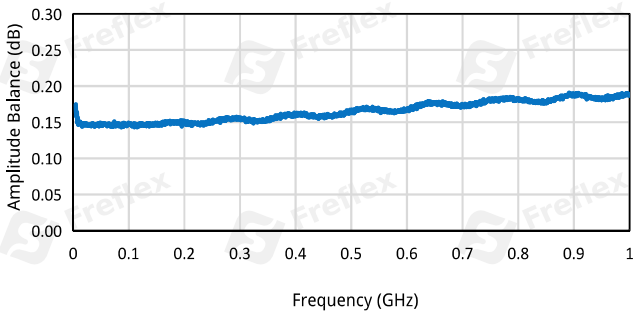
Insertion Loss vs. Frequency



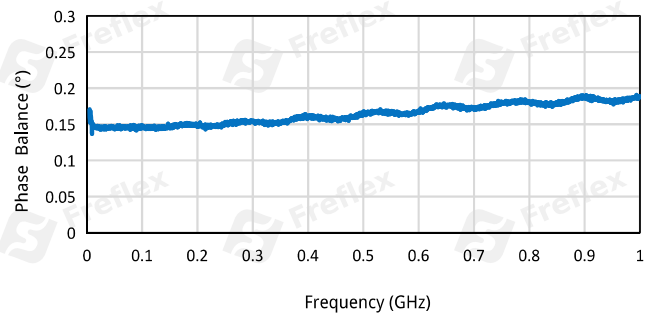
Isolation vs. Frequency



Amplitude Balance vs. Frequency

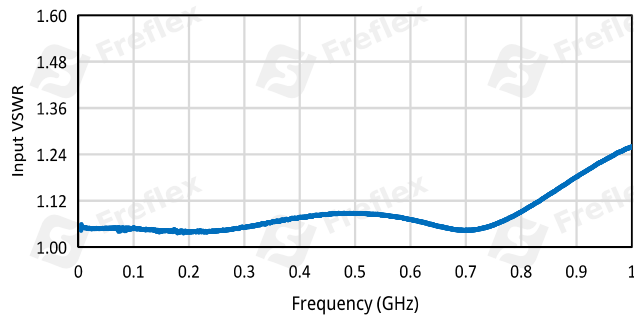


Phase Balance vs. Frequency

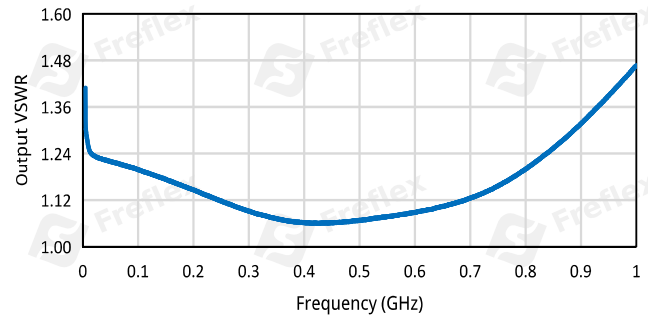


N

Input VSWR vs. Frequency

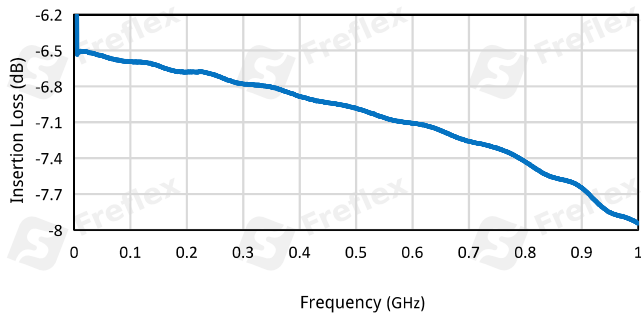


Output VSWR vs. Frequency

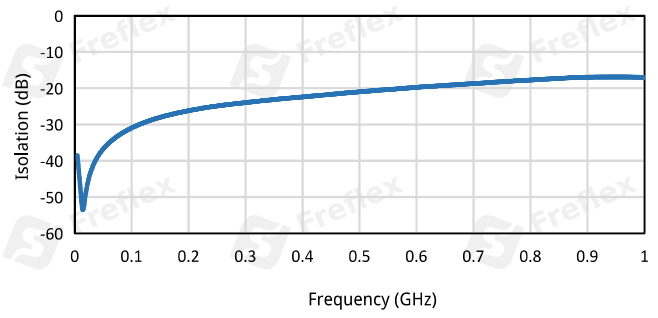


2-Way Power Dividers/Combiners

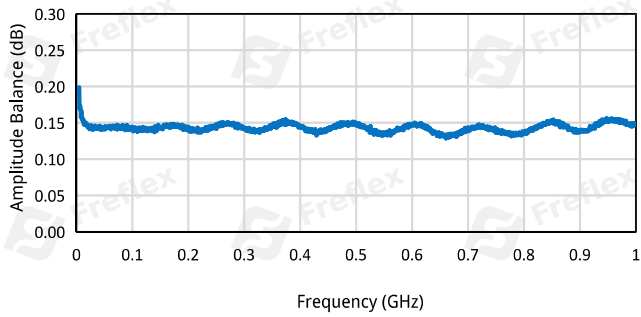
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude Balance vs. Frequency



Phase Balance vs. Frequency

