

FPD2-2000-8000-30

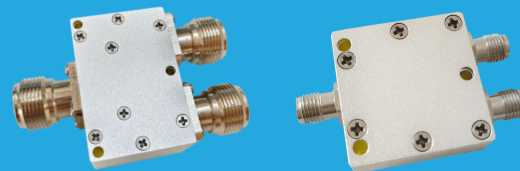
2-Way, 2~8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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



Electrical

Frequency:	2~8GHz
Insertion Loss:	0.6dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.25 max.
Isolation:	20dB min.
Amplitude Balance:	±0.2dB max.
Phase Balance:	±2°
Impedance:	50Ω
Power @SUM Port:	30W max.as divider 2W max. as combiner

Mechanical

Size ^{*1} (SMA):	28*28*10mm 1.102*1.102*0.394in
(N):	43*29*20mm 1.693*1.42*0.787in
Connectors ^{*2} :	SMA Female N Female TNC Female SMP Male
Mounting	3-Φ2.7mm through-hole

[1] Exclude connectors.

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

How To Order

FPD2-2000-8000-30-Y

Y: Connector type

Connector naming rules:

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

Examples:

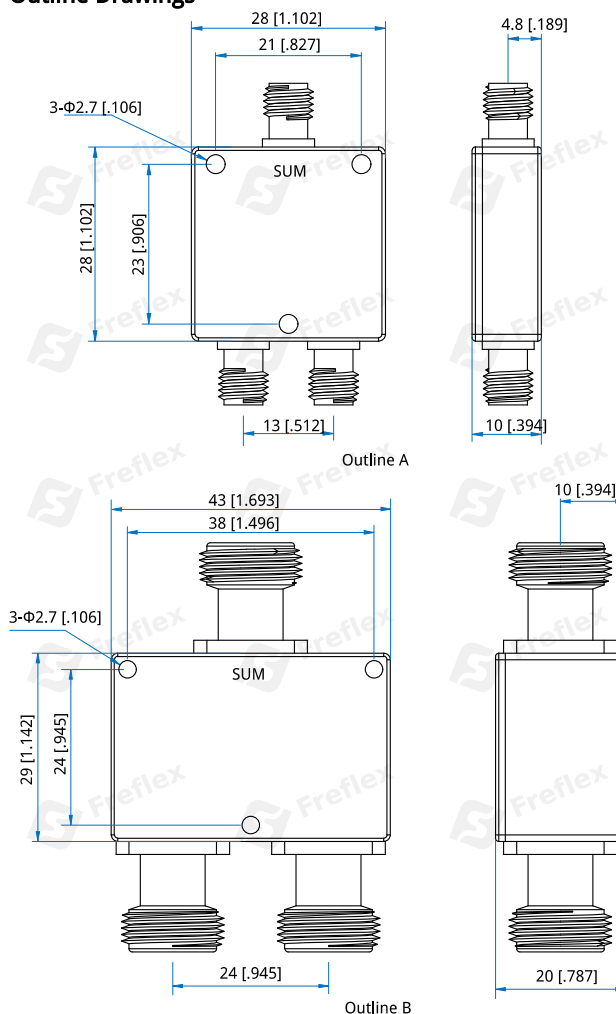
To order a 2-way power divider, 2~8GHz, 30W, N female, specify FPD2-2000-8000-30-N.

Customization is available upon request.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



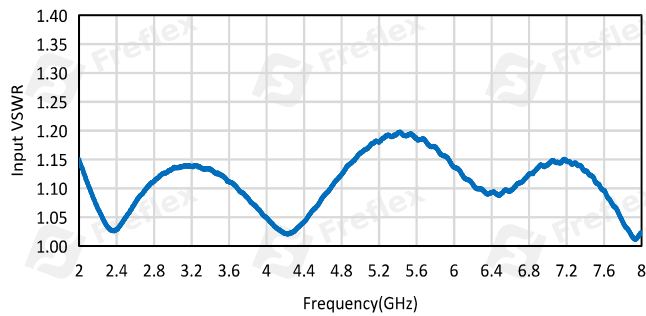
Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

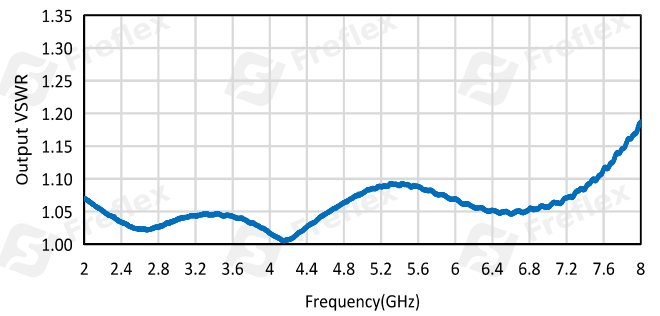
Typical Performance Curves

SMA

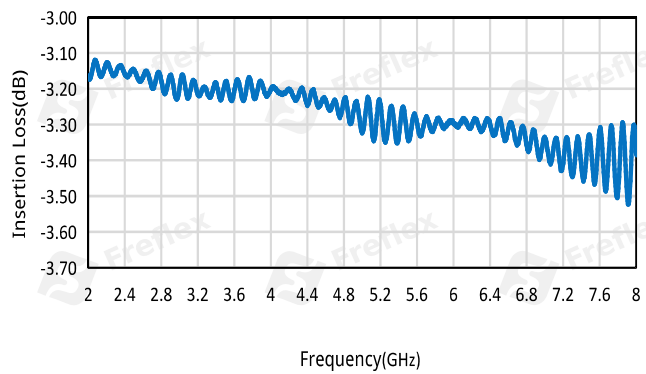
Input VSWR vs. Frequency



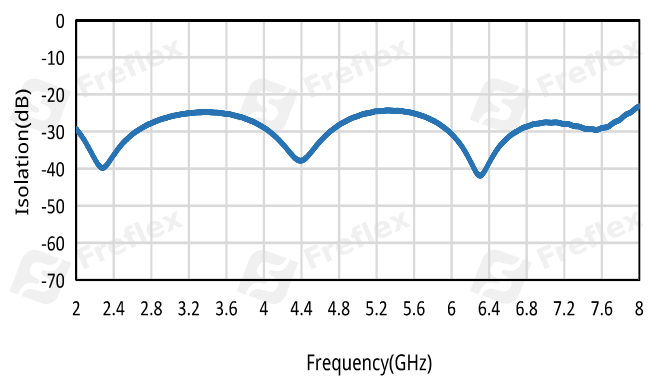
Output VSWR vs. Frequency



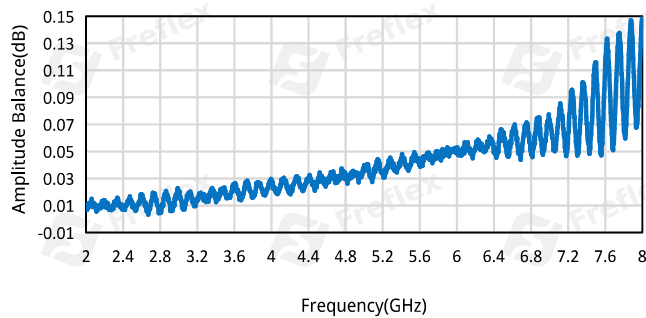
Insertion Loss vs. Frequency



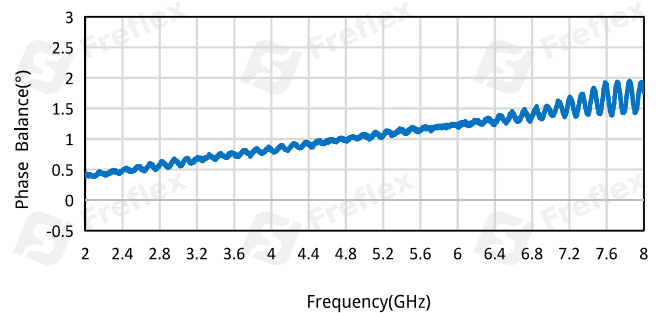
Isolation vs. Frequency



Amplitude Balance vs. Frequency



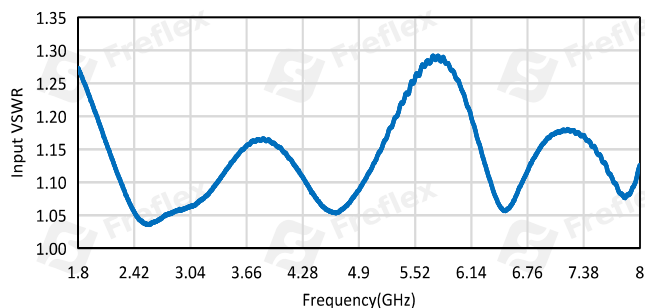
Phase Balance vs. Frequency



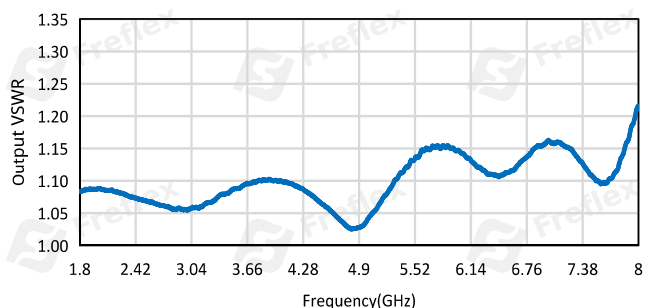
Typical Performance Curves

N

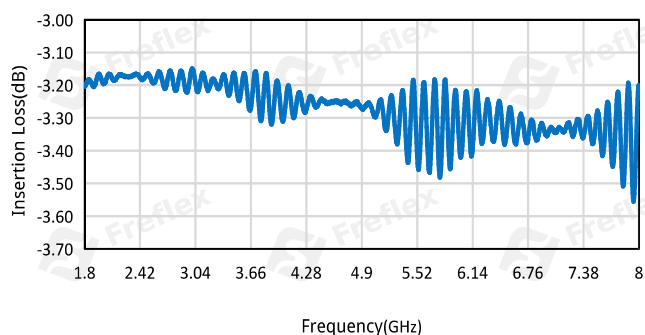
Input VSWR vs. Frequency



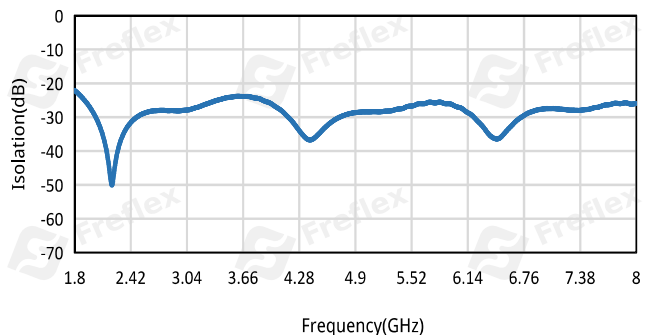
Output VSWR vs. Frequency



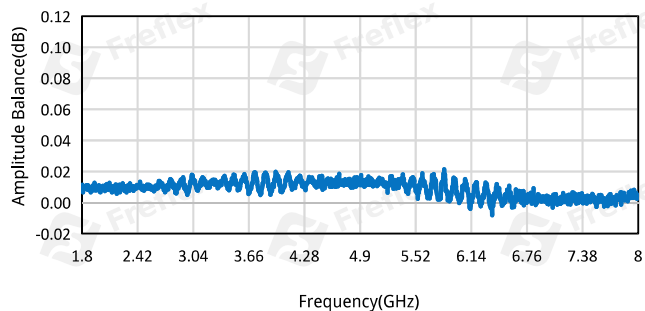
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude Balance vs. Frequency



Phase Balance vs. Frequency

