

FPD2-4000-8000-30

2-Way, 4~8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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



Electrical

Frequency:	4~8GHz
Insertion Loss* ¹ :	0.3dB max. (SMA) 0.5dB max. (N)
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	±0.2dB
Phase Balance:	±2°
Impedance:	50Ω
Power @SUM Port:	30W max. as divider 2W max. as combiner

[1] Excluding theoretical loss 3dB.

Mechanical

Mounting:	3-Φ2.7mm through-hole (SMA) 4-Φ3.2mm through-hole (N)
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Environmental

Operation Temperature:	-45~+85°C
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How To Order

FPD2-4000-8000-30-Y

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

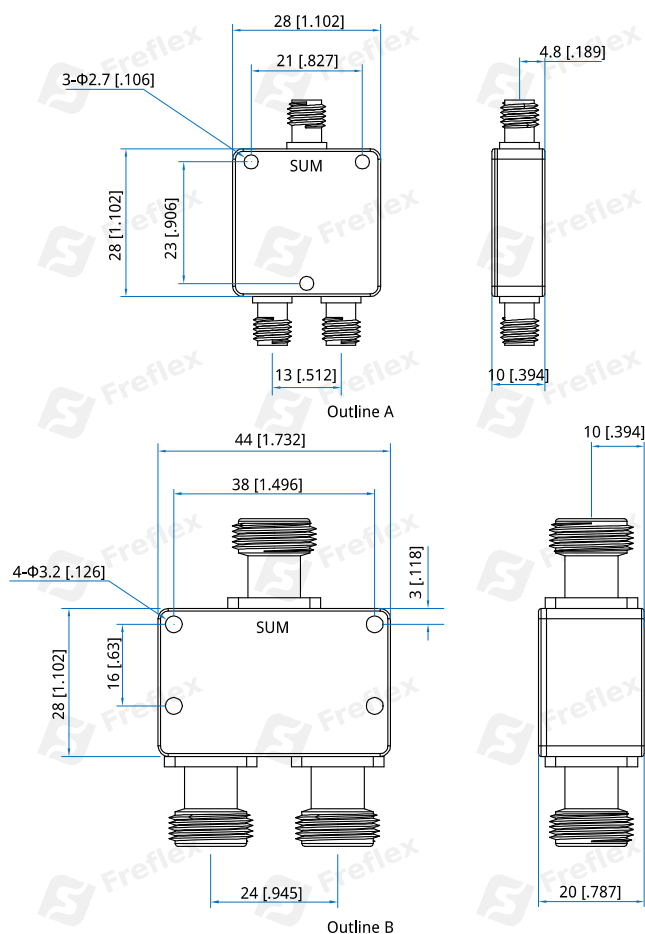
N - N Female (Outline B)

Examples:

To order a 2-way power divider, 4~8GHz, 30W, N female, specify FPD2-4000-8000-30-N.

Customization is available upon request.

Outline Drawings



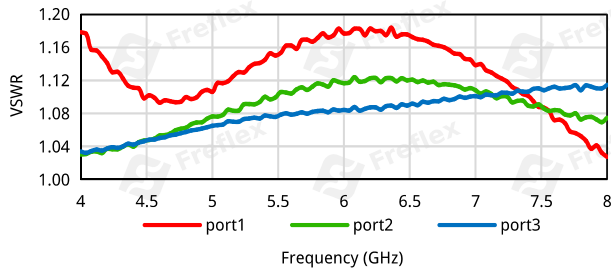
Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

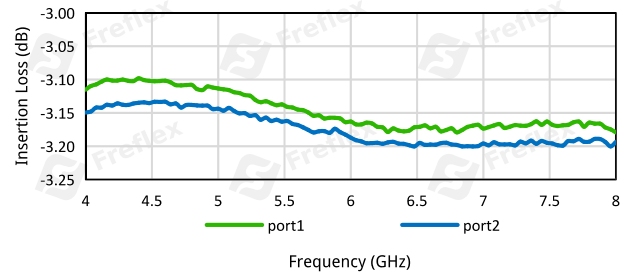
Typical Performance Curves SMA

2-Way Power Dividers/Combiners

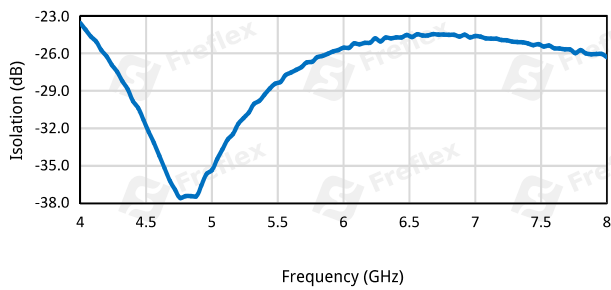
VSWR vs. Frequency



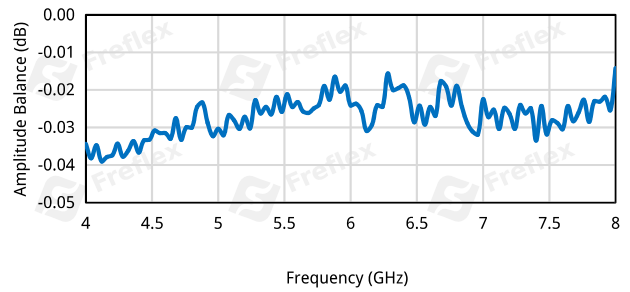
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude Balance vs. Frequency



Phase Balance vs. Frequency

