

FPD4-4000-8000-30

4-Way, 4~8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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



Electrical

Frequency:	4~8GHz
Insertion Loss*1:	0.6dB max. (SMA) 0.8dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	22dB min.
Amplitude Balance:	±0.2dB typ.
Phase Balance:	±2° typ.
Impedance:	50Ω
Power @SUM Port:	30W max. as divider 2W max. as combiner

[1] Excluding theoretical loss 6dB.

Mechanical

Connectors:	SMA Female N Female TNC Female
Mounting:	4-Φ2.8mm through-hole

Environmental

Operation Temperature:	-45~+85°C
Non-operating Temperature:	-55~+125°C

How To Order

FPD4-4000-8000-30-Y

Y: Connector type

Connector naming rules:

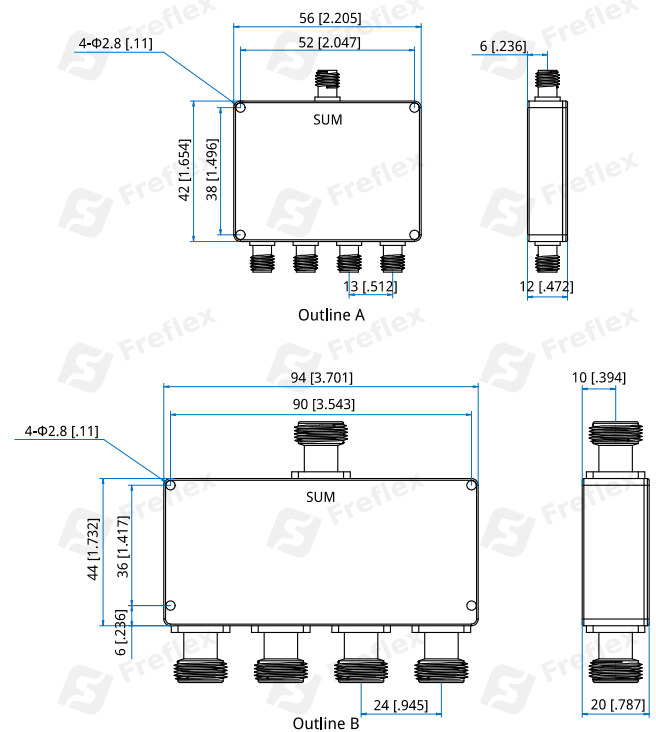
- S - SMA Female (Outline A)
- N - N Female (Outline B)
- T - TNC Female (Outline B)

Examples:

To order a 4-way power divider, 4~8GHz, 30W, N female, specify FPD4-4000-8000-30-N.

Customization is available upon request.

Outline Drawings



Unit: mm [in]

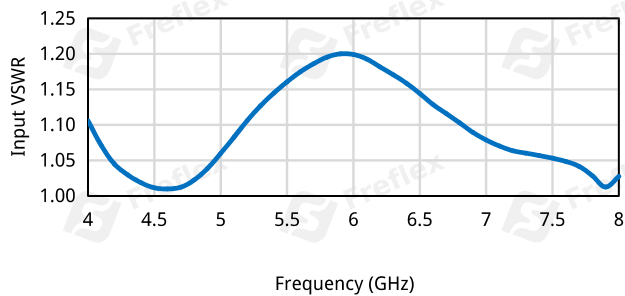
Tolerance: ±0.5mm [±0.02in]

4-Way Power Divider/Combiner

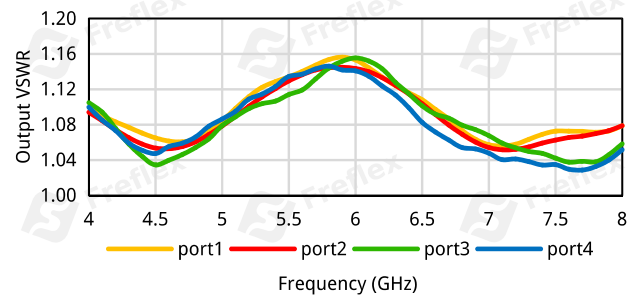
Typical Performance Curves

SMA

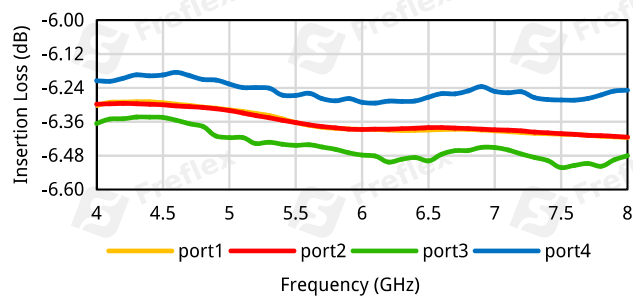
Input VSWR vs. Frequency



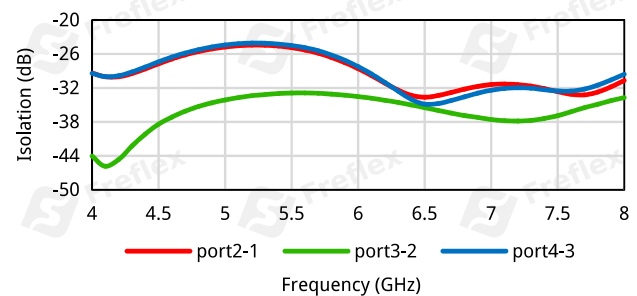
Output VSWR vs. Frequency



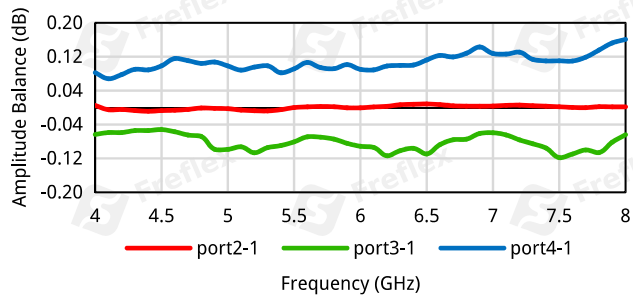
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude Balance vs. Frequency



Phase Balance vs. Frequency

