

FPD2-1000-8000-30

2-Way, 1~8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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



Electrical

Frequency:	1~8GHz
Insertion Loss:	0.8dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	±0.1dB
Phase Balance:	±3°
Impedance:	50Ω
Power @SUM Port:	30W max. as divider 2W max. as combiner

Mechanical

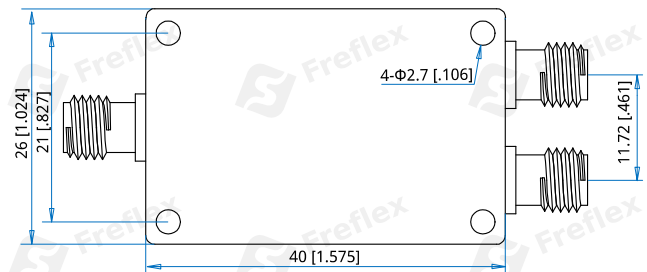
Size ^{*1} :	40*26*12mm 1.575*1.024*0.472in
Connectors:	SMA Female SMP Female
Mounting:	4-Φ2.7mm through-hole

[1] Exclude connectors.

Environmental

Operating Temperature:	-35~+75°C
Non-operating Temperature:	-45~+85°C

Outline Drawings



Outline A

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

FPD2-1000-8000-30-Y

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

P - SMP Female

Examples:

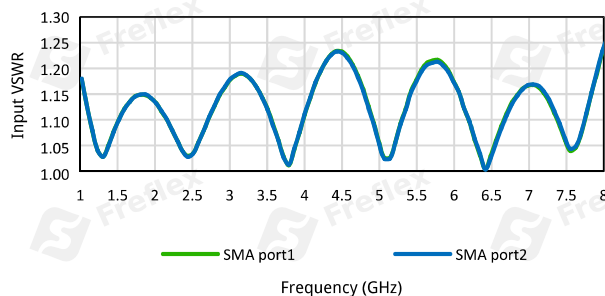
To order a 2-way power divider, 1~8GHz, 30W, SMA female, specify FPD2-1000-8000-30-S.

Customization is available upon request.

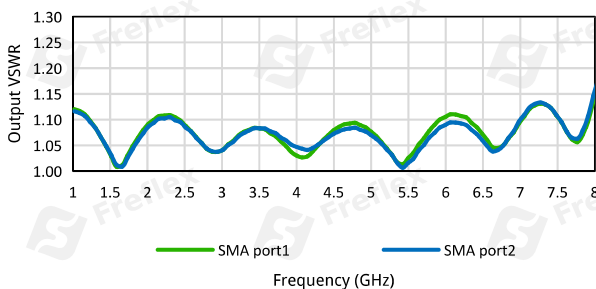
2-Way Power Divider/Combiner

Typical Performance Curves

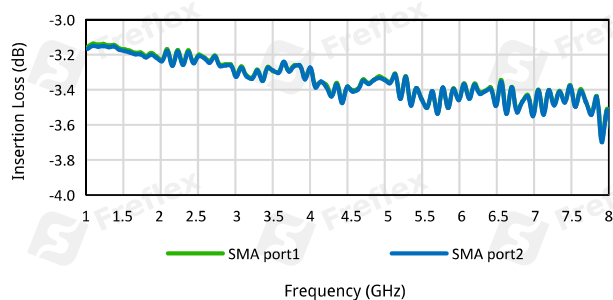
Input VSWR vs. Frequency



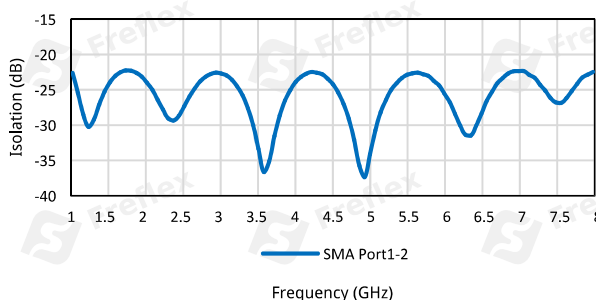
Output VSWR vs. Frequency



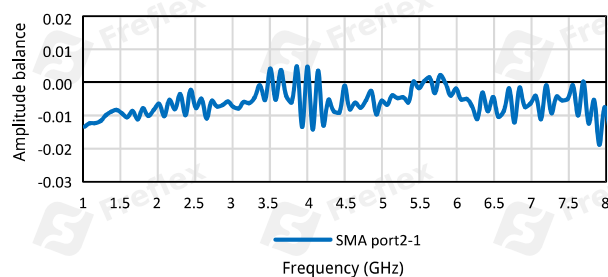
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude balance vs. Frequency



Phase balance vs. Frequency

