

FPD2-1000-4000-30

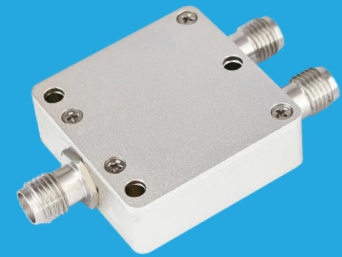
2-Way, 1~4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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



Electrical

Frequency:	1~4GHz
Insertion Loss:	0.5dB max.
Input VSWR:	1.2 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

Mechanical

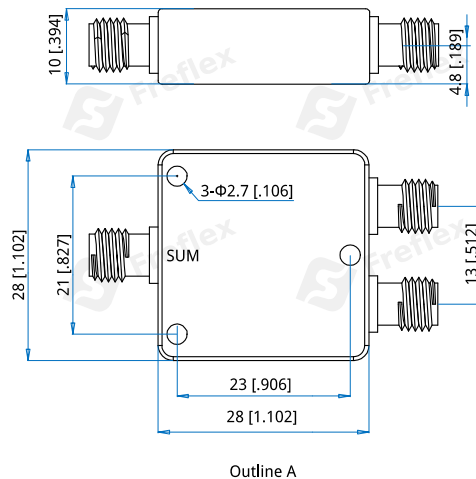
Size ^{*1} :	28*28*10mm 1.102*1.102*0.394in
Connectors:	SMA Female SMP Male
Mounting:	3-Φ2.7mm through-hole

[1] Exclude connectors.

Environmental

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

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

FPD2-1000-4000-30-Y

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

P - SMP Male

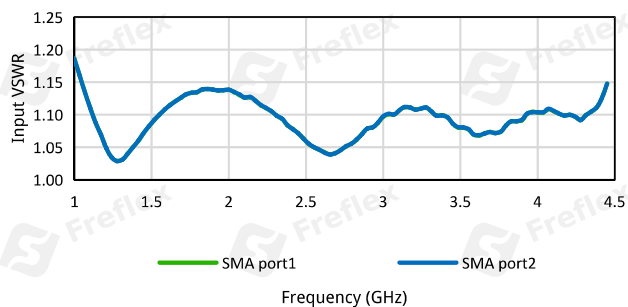
Examples:

To order a 2-way power divider, 1~4GHz, 30W, N female, specify FPD2-1000-4000-30-N.

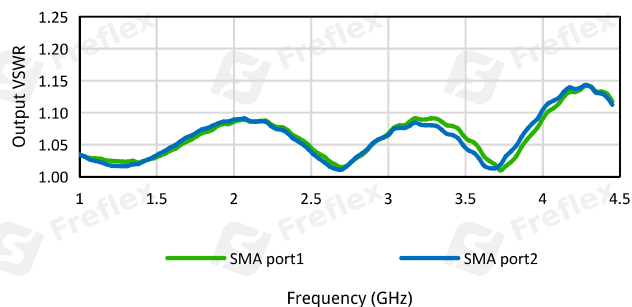
Customization is available upon request.

Typical Performance Curves

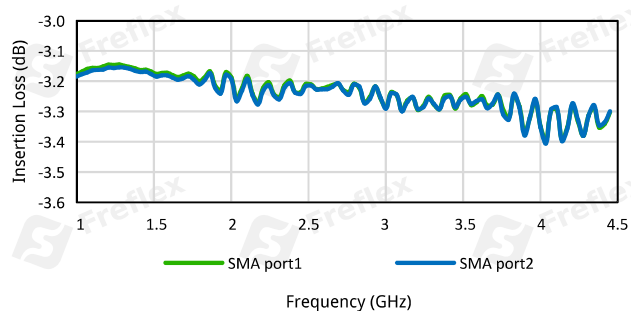
Input VSWR vs. Frequency



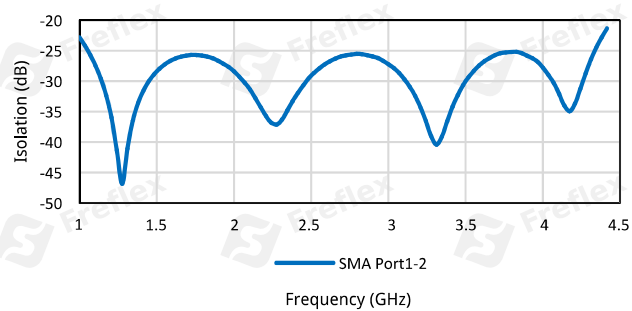
Output VSWR vs. Frequency



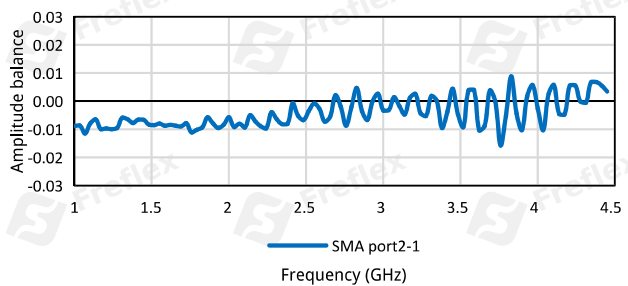
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude balance vs. Frequency



Phase balance vs. Frequency

