

FPD2-2500-6000-30

2-Way, 2.5~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	2.5~6GHz
Insertion Loss ^{*1} :	0.4dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	22dB min.
Amplitude Balance:	±0.1dB max.
Phase Balance:	±0.5°
Impedance:	50Ω
Power @SUM Port:	30W max.as divider 2W max. as combiner

[1] Excluding theoretical loss 3.0dB.

Mechanical

Size ^{*2} :	28*28*10mm 1.102*1.102*0.394in
Connectors ^{*3} :	SMA Female SMP Male
Mounting:	3-Φ2.8mm through-hole

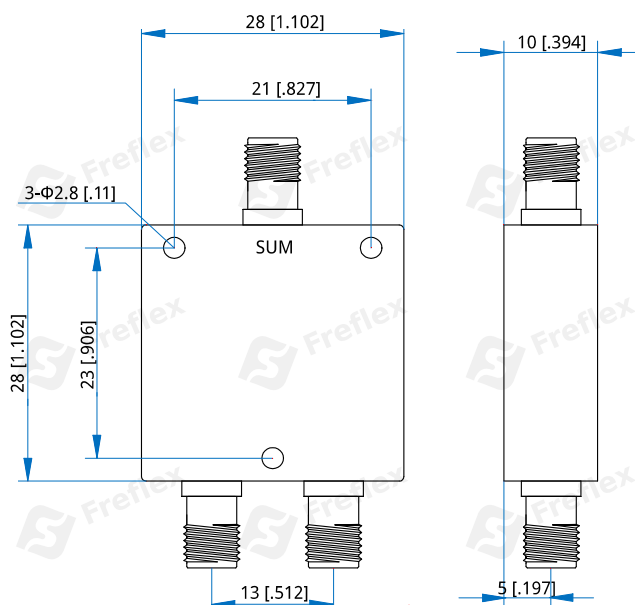
[2] Exclude connectors.

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

Environmental

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

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

FPD2-2500-6000-30-Y

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

P - SMP Male

Examples:

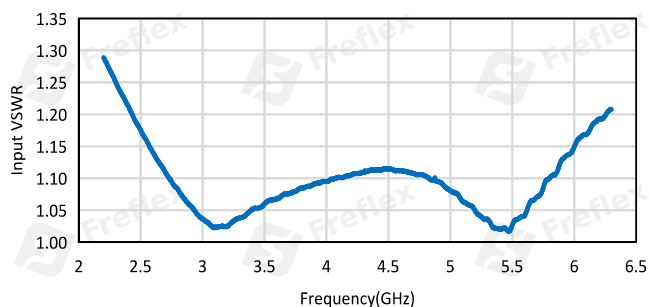
To order a 2-way power divider, 2.5~6GHz, 30W, SMA female, specify FPD2-2500-6000-30-S.

Customization is available upon request.

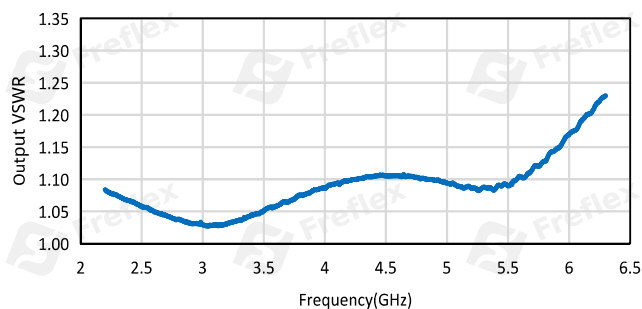
Typical Performance Curves

SMA

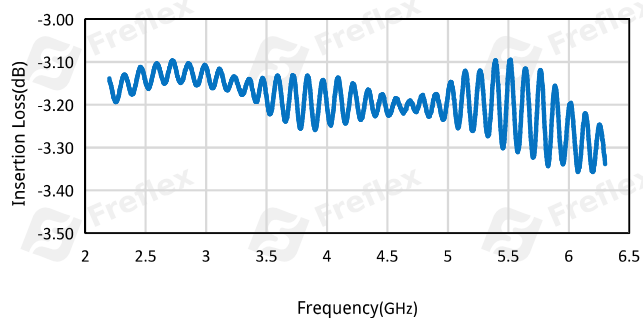
Input VSWR vs. Frequency



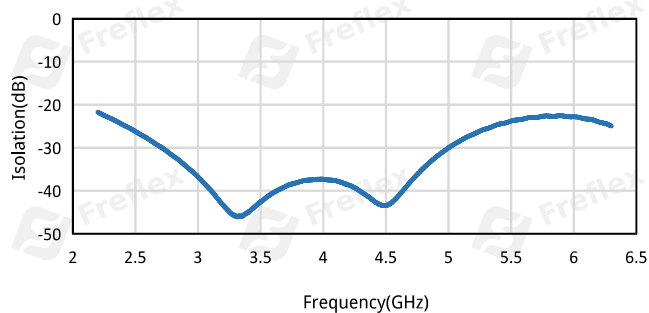
Output VSWR vs. Frequency



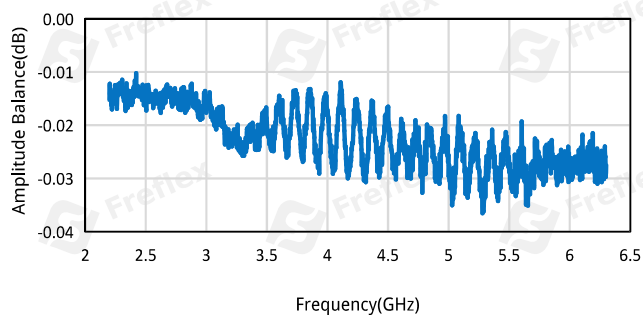
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude Balance vs. Frequency



Phase Balance vs. Frequency

