

FPD2-2000-6000-30

2-Way, 2~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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



Electrical

Frequency:	2~6GHz
Insertion Loss:	0.5dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	± 0.1 dB max.
Phase Balance:	$\pm 1^\circ$ max.
Impedance:	50 Ω
Power @SUM Port:	30W max.as divider 2W max. as combiner

Mechanical

Connectors*1:	SMA Female
	N Female
	TNC Female
	SMP Male

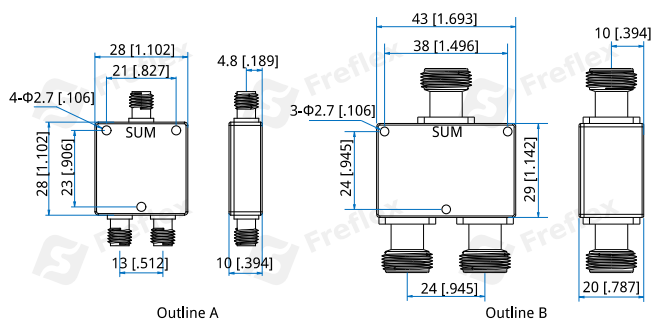
Mounting: 3- Φ 2.7mm through-hole

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

Environmental

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

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

FPD2-2000-6000-30-Y

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

N - N Female (Outline B)

T - TNC Female

P - SMP Male

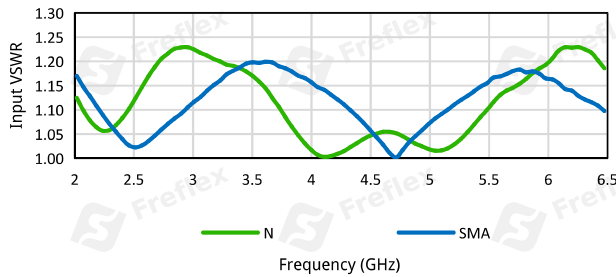
Examples:

To order a 2-way power divider, 2~6GHz, 30W, N female, specify FPD2-2000-6000-30-N.

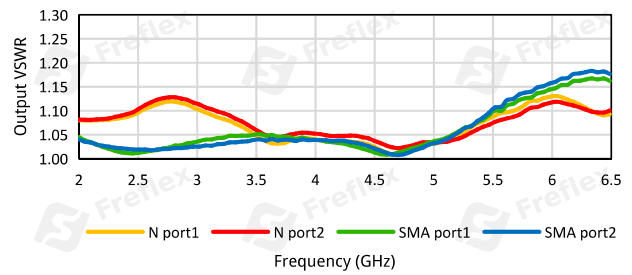
Customization is available upon request.

Typical Performance Curves

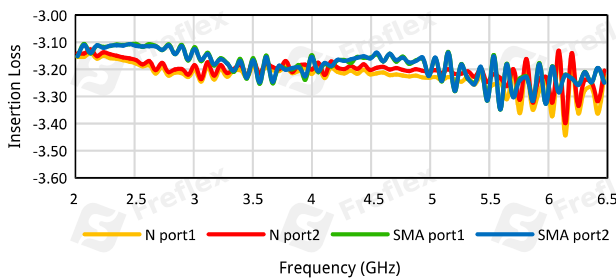
Input VSWR vs. Frequency



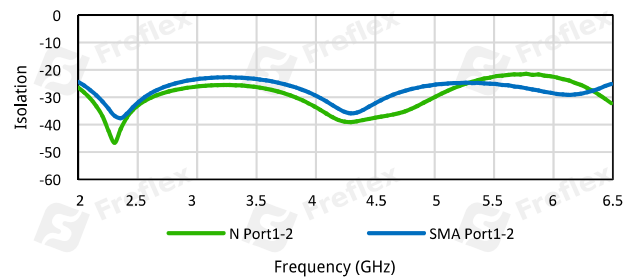
Output VSWR vs. Frequency



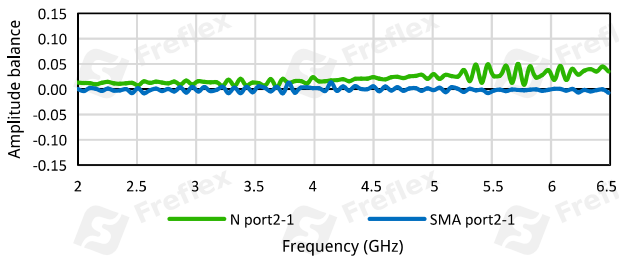
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude balance vs. Frequency



Phase balance vs. Frequency

