

### FPD2-80-2000-30

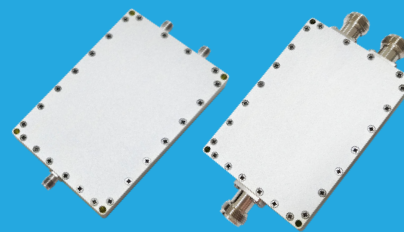
2-Way, 0.08~2GHz

#### Features:

- \* Small Size
- \* Low Insertion Loss

#### Applications:

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



#### Electrical

Frequency:	0.08~2GHz
Insertion Loss:	2dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.15 max.
Isolation:	20dB min.
Amplitude Balance:	±0.2dB max.
Phase Balance:	±2°
Impedance:	50Ω
Power @SUM Port:	30W max. as divider 2W max. as combiner

#### Mechanical

Connectors*1:	SMA Female N Female TNC Female SMP Male
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Mounting: 4-Φ3.2mm 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

#### How To Order

**FPD2-80-2000-30-Y**

Y: Connector type

Connector naming rules:

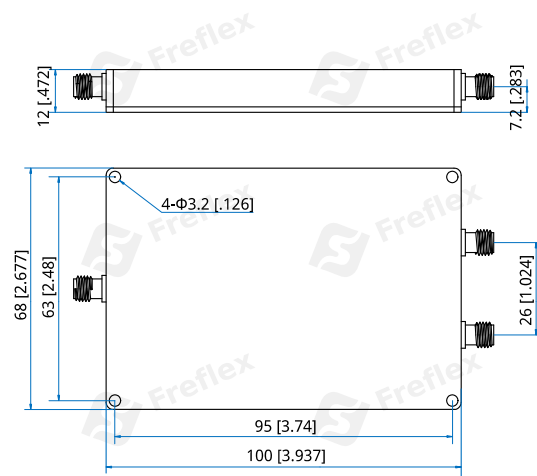
- S - SMA Female (Outline A)
- N - N Female (Outline B)
- T - TNC Female
- P - SMP Male

Examples:

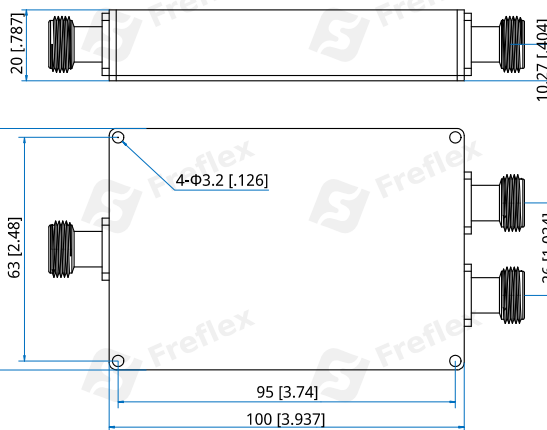
To order a 2-way power divider, 0.08~2GHz, 30W, N female, specify FPD2-80-2000-30-N.

Customization is available upon request.

#### Outline Drawings



Outline A



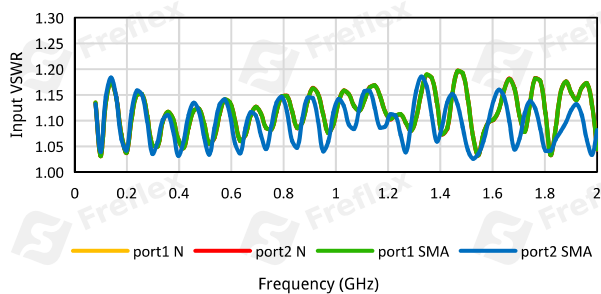
Outline B

Unit: mm [in]

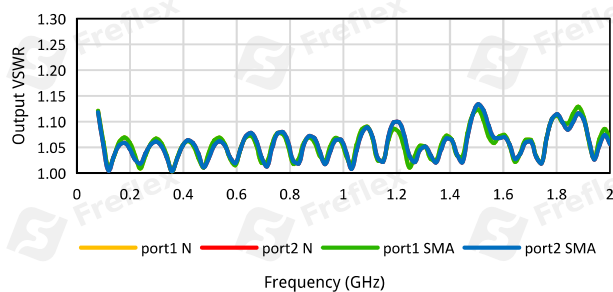
Tolerance: ±0.5mm [±0.02in]

### Typical Performance Curves

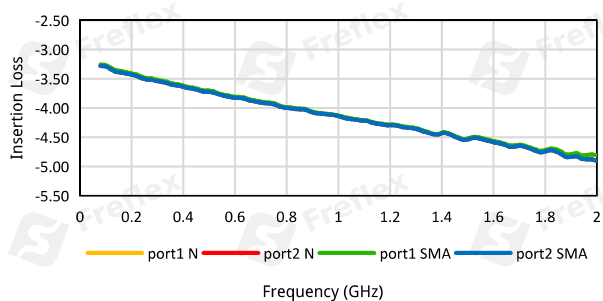
Input VSWR vs. Frequency



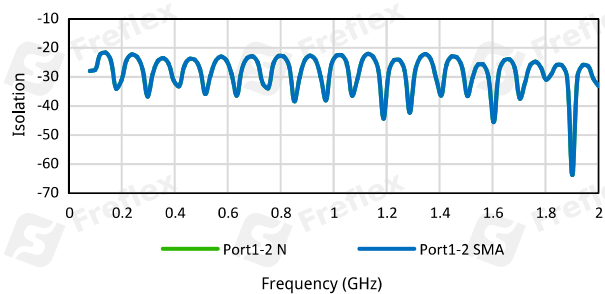
Output VSWR vs. Frequency



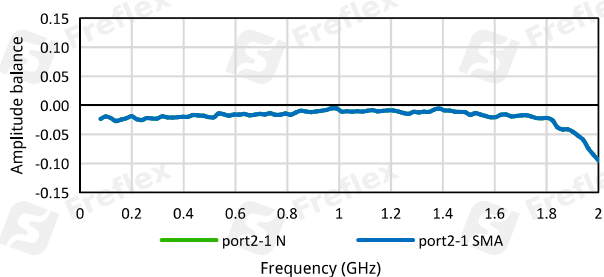
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude balance vs. Frequency



Phase balance vs. Frequency

