

### FPD2-200-1000-30

2-Way, 0.2~1GHz

**Features:**

- \* Small Size
- \* Low Insertion Loss

**Applications:**

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



#### Electrical

Frequency:	0.2~1GHz
Insertion Loss*1:	0.6dB max.
VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	±0.1dB typ.
Phase Balance:	±2° typ.
Impedance:	50Ω
Power @SUM Port:	30W max. as divider 2W max. as combiner

[1] Excluding theoretical loss 3dB.

#### Mechanical

Connectors:	SMA Female, N Female
Mounting:	4-Φ2.8mm through-hole

#### Environmental

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

#### How To Order

**FPD2-200-1000-30-Y**

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

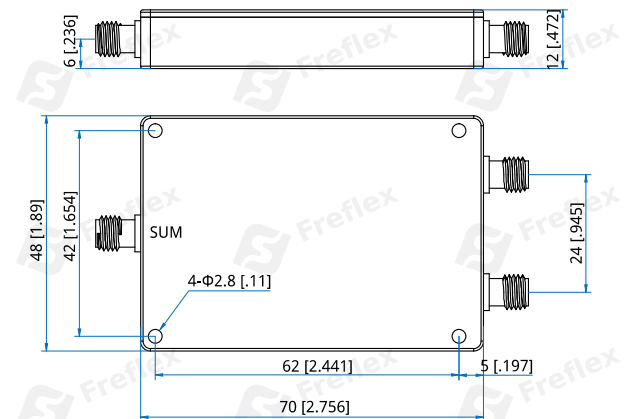
N - N Female (Outline B)

Examples:

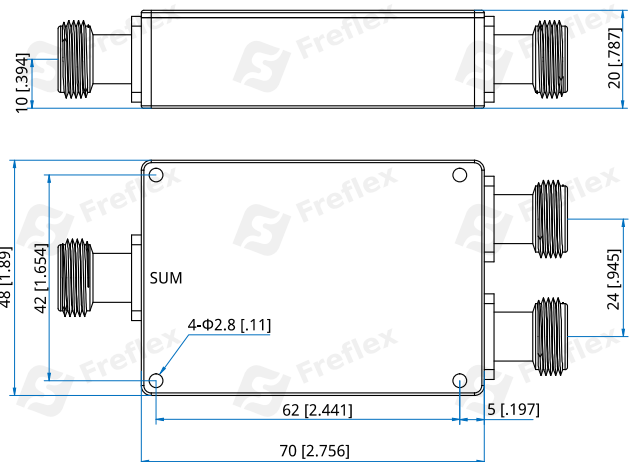
To order a 2-way power divider, 0.2~1GHz, 30W, N female, specify FPD2-200-1000-30-N.

Customization is available upon request.

#### Outline Drawings



Outline A



Outline B

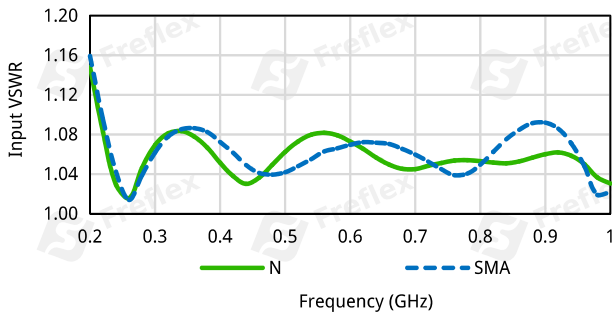
Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

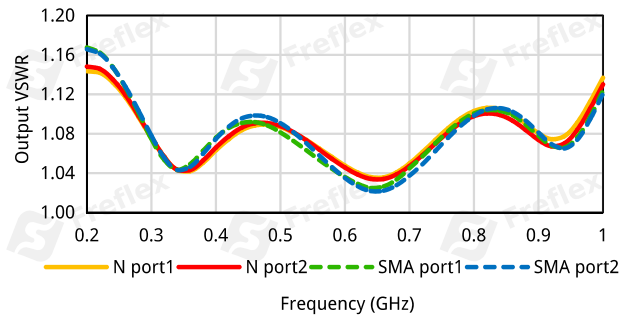
## 2-Way Power Divider/Combiner

### Typical Performance Curves

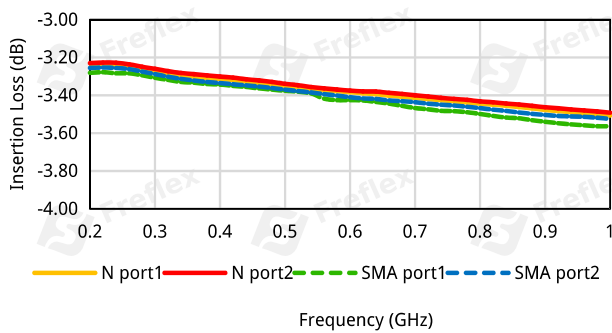
Input VSWR vs. Frequency



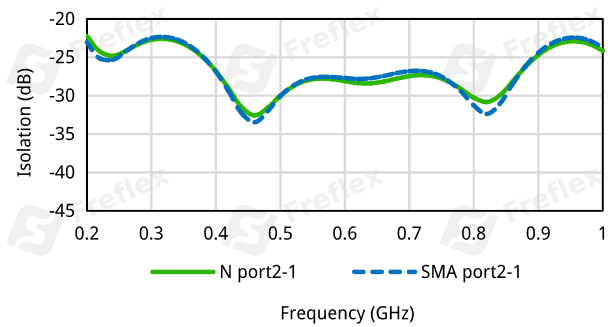
Output VSWR vs. Frequency



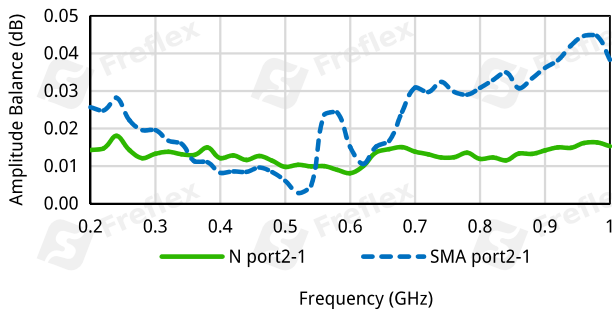
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude Balance vs. Frequency



Phase Balance vs. Frequency

