

## FPD6-500-6000-30

6-Way, 0.5~6GHz

### Features:

- \* Small Size
- \* Low Insertion Loss

### Applications:

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

### Electrical

|                    |   |
|--------------------|---|
| Frequency:         | 0.5~6GHz  |
| Insertion Loss:    | 2.2dB max. (SMA)<br>4.0dB max.  |
| Input VSWR:        | 1.5 max.<br>1.3 max. (SMA)  |
| Output VSWR:       | 1.3 max.  |
| Isolation:         | 18dB min.   |
| Amplitude Balance: | 0.8dB max. (SMA)<br>1.0dB max.  |
| Phase Balance:     | ±8° (SMA)<br>±10°   |
| Impedance:         | 50Ω   |
| Power @SUM Port:   | 30W max. as divider<br>2W max. as combiner<br>1W max. as combiner (SMA) |

### Mechanical

Mounting: 4-Φ3.2mm through-hole

### Environmental

Operation Temperature: -35~+75°C

### How To Order

**FPD6-500-6000-30-Y**

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

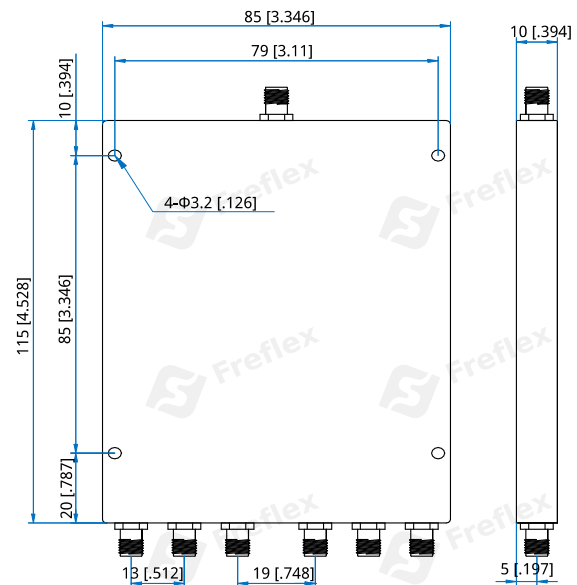
N - N Female (Outline B)

Examples:

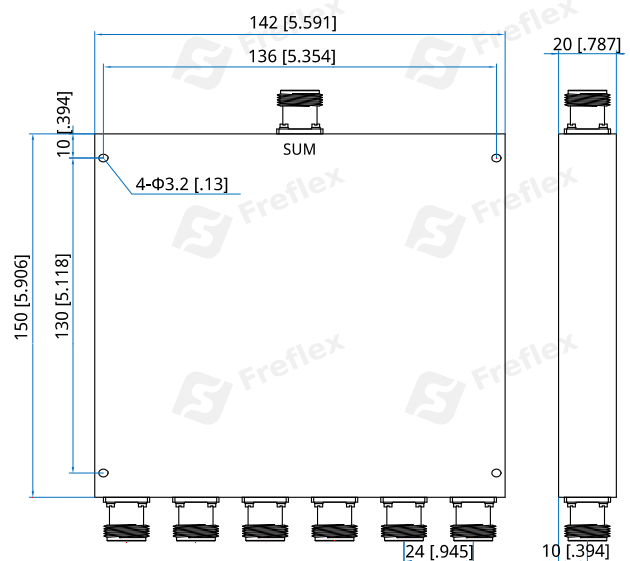
To order a 6-way power divider, 0.5~6GHz, 30W, N female, specify FPD6-500-6000-30-N.

Customization is available upon request.

### Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ±0.3mm [±0.012in]