

## NPD4-500-1000

4-Way, 0.5~1GHz

### Features:

- \* Small Size
- \* Low Insertion Loss

### Applications:

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

### Electrical

|                    |                                    |
|--------------------|------------------------------------|
| Frequency:         | 0.5~1GHz                           |
| Insertion Loss:    | 0.6dB max. (SMA)<br>0.8dB max. (N) |
| Input VSWR:        | 1.3 max.                           |
| Output VSWR:       | 1.2 max.                           |
| Isolation:         | 20dB min. (SMA)<br>22dB min. (N)   |
| Amplitude Balance: | 0.3dB max.                         |
| Phase Balance:     | $\pm 3^\circ$                      |
| Impedance:         | 50 $\Omega$                        |
| Average Power:     | 30W max.<br>2W max. as combiner    |

### Mechanical

Mounting: 4- $\Phi$ 3.2mm through-hole

### Environmental

Operation Temperature: -35~+75°C

### How To Order

**NPD4-500-1000-X-Y**

X: Average power as divider

Y: Connector type

### Connector naming rules:

S - SMA Female (Outline A)

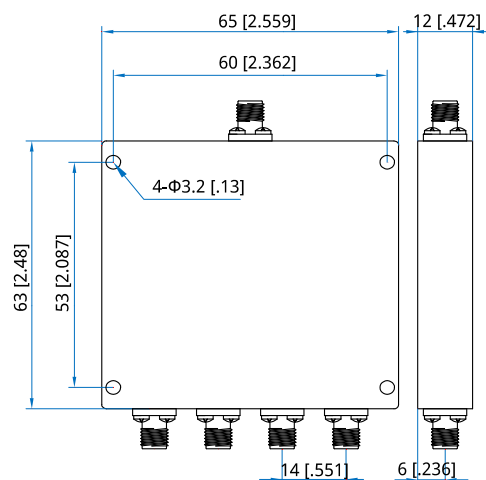
N - N Female (Outline B)

### Examples:

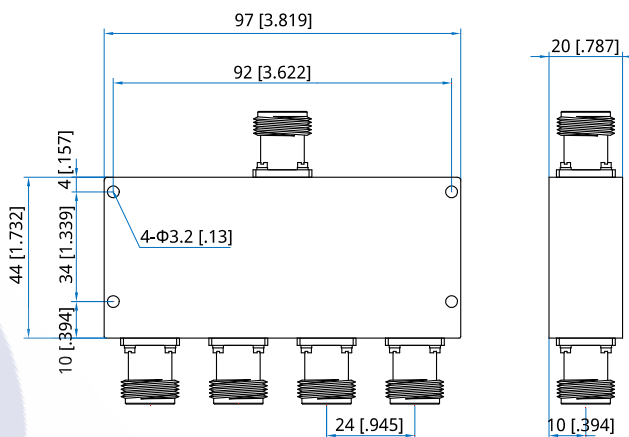
To order a 4-way power divider, 0.5~1GHz, 30W, N female, specify NPD4-500-1000-30-N.

Customization is available upon request.

### Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance:  $\pm 0.5$ mm [ $\pm 0.02$ in]