

### NPD2-1000-9000

2-Way, 1~9GHz

#### Features:

- \* Small Size
- \* Low Insertion Loss

#### Applications:

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

#### Electrical

Frequency:	1~9GHz
Insertion Loss:	1.4dB max. (SMA) 1.5dB max. (N)
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 $\Omega$
Average Power:	30W max. 2W max. as combiner

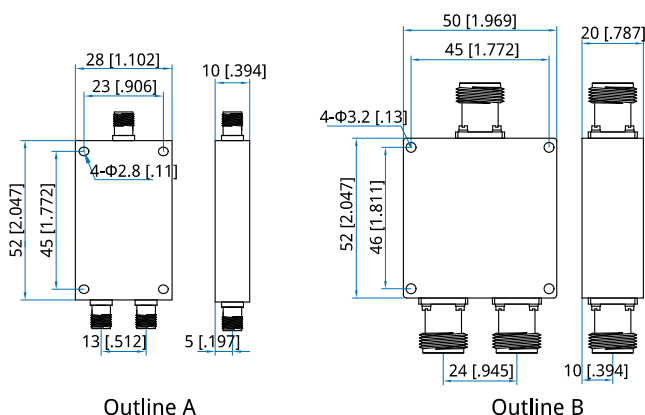
#### Mechanical

Mounting:	4- $\Phi$ 2.8mm through-hole (SMA)
Mounting:	4- $\Phi$ 3.2mm through-hole (N)

#### Environmental

Operation Temperature:	-45~+85°C
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#### Outline Drawings



Outline A

Outline B

Unit: mm [in]

Tolerance:  $\pm 0.5\text{mm}$  [ $\pm 0.02\text{in}$ ]

#### How To Order

**NPD2-1000-9000-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 2-way power divider, 1~9GHz, 30W, N female, specify NPD2-1000-9000-30-N.

Customization is available upon request.