

## FSDC-20-1000-K2

0.02~1GHz, 200W

### Features:

\* Low Insertion Loss

### Applications:

\* Amplifiers  
\* Transmitter  
\* Laboratory Test  
\* Radar



### Electrical

Frequency:	0.02~1GHz
Coupling:	50±1.5dB
Coupling Flatness:	±1.5dB typ.
Insertion Loss:	0.25dB max.
VSWR (Mainline):	1.1 typ.
VSWR (Coupling):	1.5 typ.
Directivity:	20dB min.
Average Power:	200W
Impedance:	50Ω

### Mechanical

Size*1:	66*54*26mm 2.598*2.126*1.024in
RF Connectors:	N Female
Coupling Connectors:	N Female, SMA Female
Mounting:	4-Φ5mm through-hole

[1] Exclude connectors.

### Environmental

Operating Temperature:	-40~+85°C
Non-operating Temperature:	-55~+100°C

### How To Order

**FSDC-20-1000-K2-X-Y**

X: Coupling (50 - Outline A, B)

Y: Connector type

### Connector naming rules:

NS - N Female & SMA Female (Outline A)

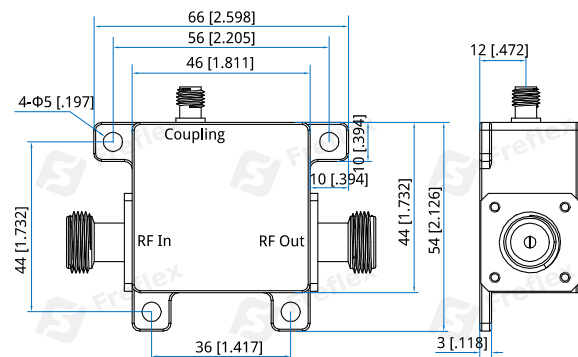
N - N Female (Outline B)

### Examples:

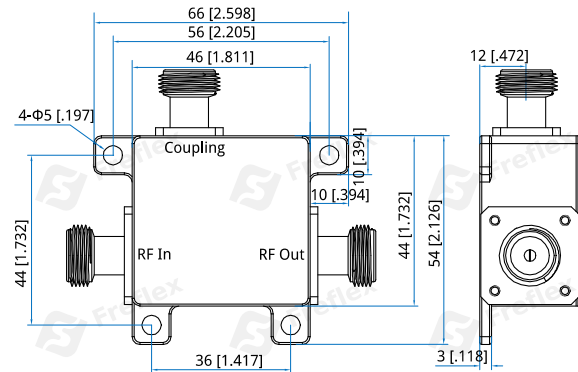
To order a single directional coupler, 0.02~1GHz, 200W, 50dB, N Female & SMA Female, specify FSDC-20-1000-K2-50-NS.

Customization is available upon request.

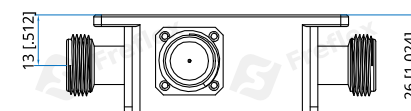
### Outline Drawings



Outline A



Outline B

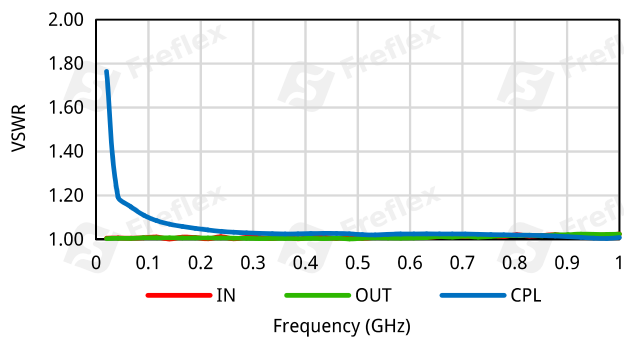


Unit: mm [in]

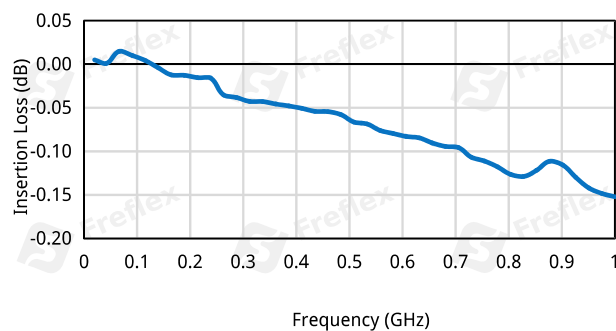
Tolerance: ±0.5mm [±0.02in]

## Typical Performance Curves

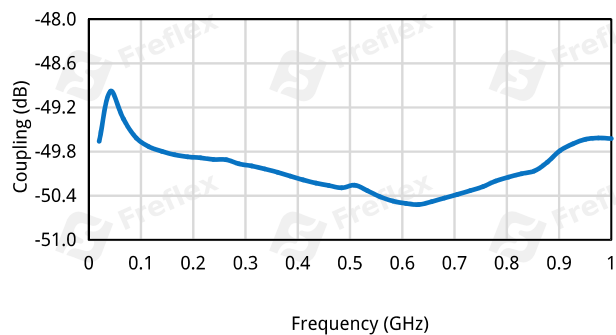
VSWR vs. Frequency



Insertion Loss vs. Frequency



Coupling vs. Frequency



Directivity vs. Frequency

