

FSDC-80-1000-K5

0.08~1GHz, 500W

Features:

* Low Insertion Loss

Applications:

* Amplifiers
* Transmitter
* Laboratory Test
* Radar



Electrical

Frequency: 0.08~1GHz
Average Power: 500W
Impedance: 50Ω

Coupling (dB)	Insertion Loss (dB max.)	VSWR (max.)	Coupling Flatness (dB max.)	Directivity (dB min.)
40±1.8	0.2	1.1 (Mainline)	±1.8	25
		1.8 (Coupling)		
50±1.5	0.2	1.1	±1.5	23
60±1.5	0.2	1.1	±1.5	23

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.

How To Order

FSDC-80-1000-K5-X-Y

X: Coupling: (40, 50, 60dB - Outline A, B)

Y: Connector type

Connector naming rules:

NS - N Female & SMA Female (Outline A)

N - N Female (Outline B)

Examples:

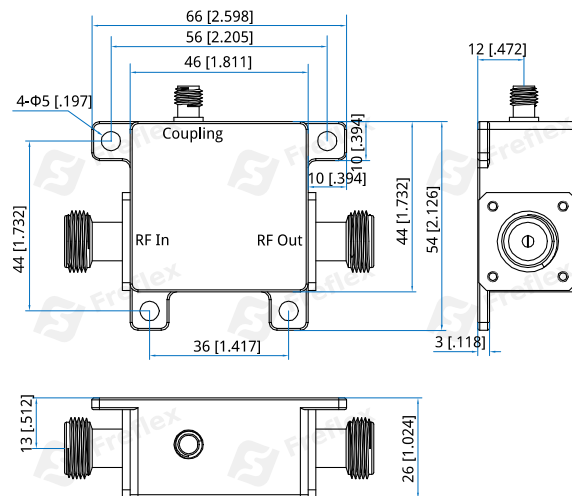
To order a single directional coupler, 0.08~1GHz, 500W, 60dB, N Female & SMA Female, specify FSDC-80-1000-K5-60-NS.

Customization is available upon request.

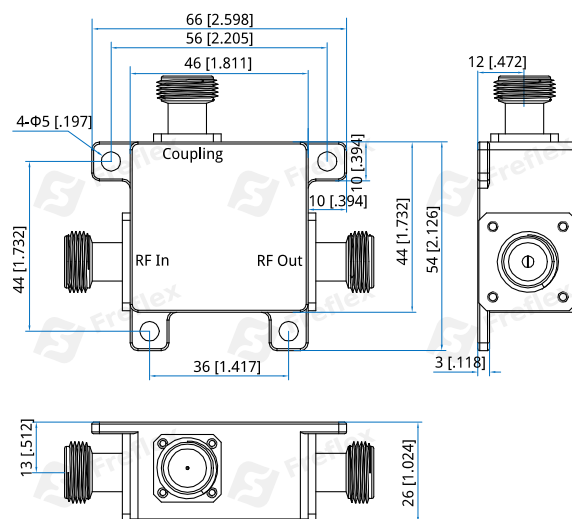
Environmental

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

Outline Drawings



Outline A

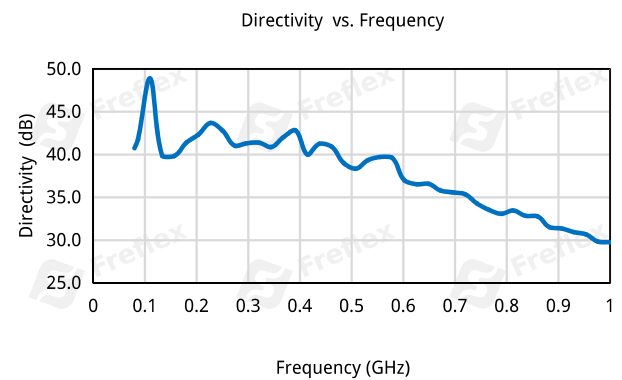
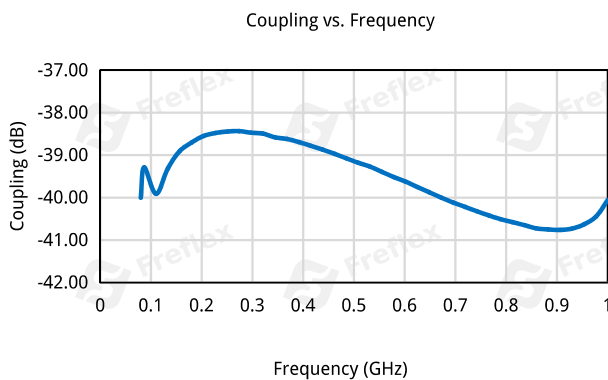
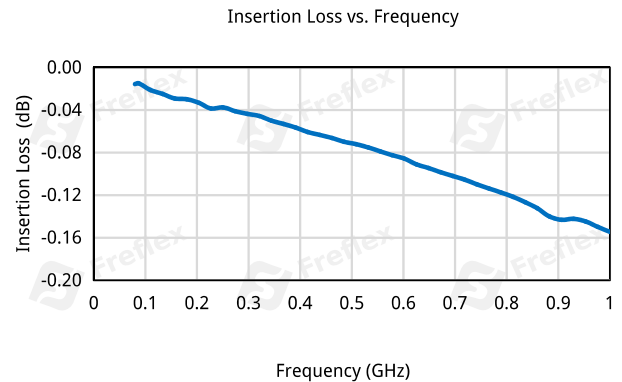
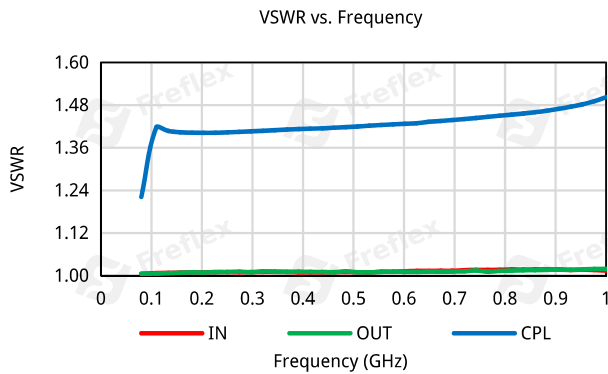


Outline B

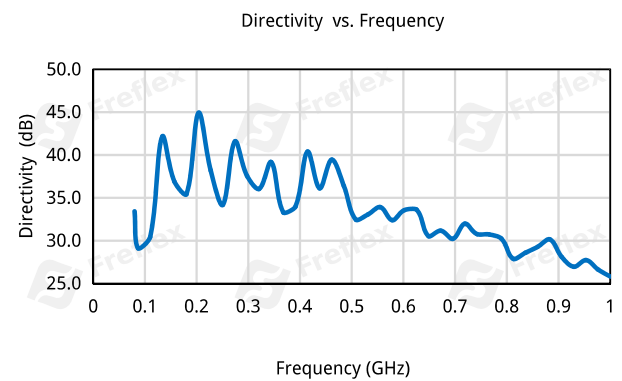
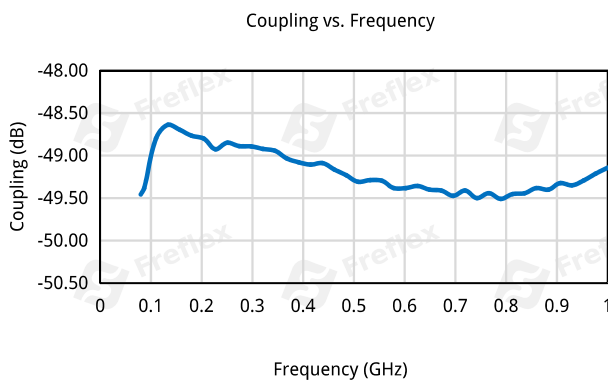
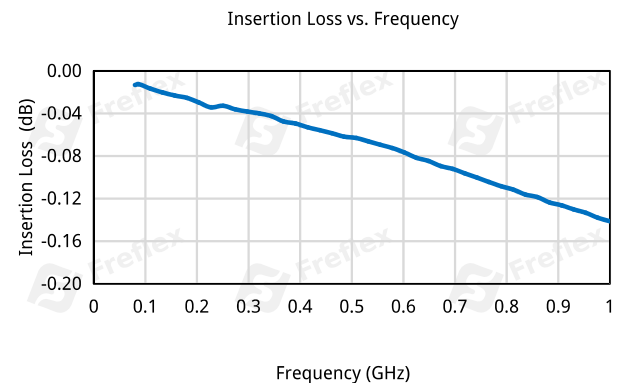
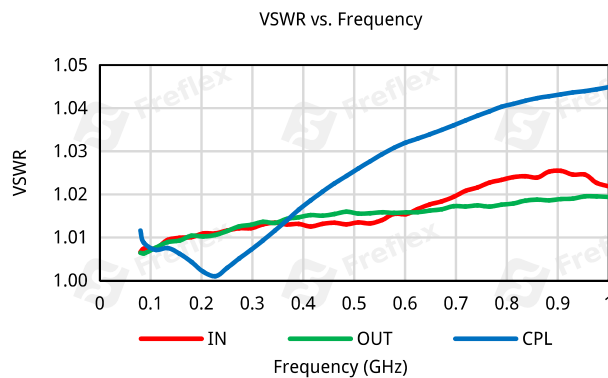
Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

Typical Performance Curves 40dB



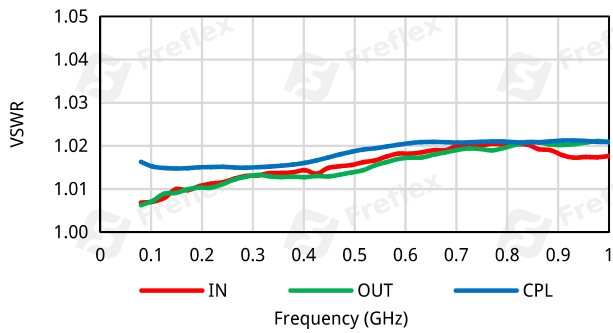
50dB



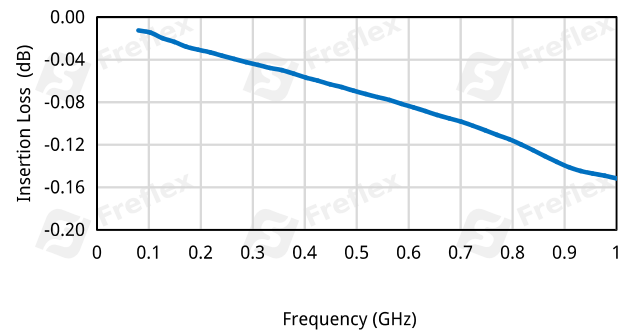
60dB

Single Directional Coupler

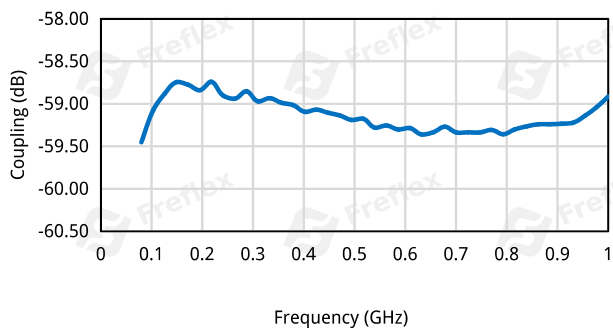
VSWR vs. Frequency



Insertion Loss vs. Frequency



Coupling vs. Frequency



Directivity vs. Frequency

