

FSDC-30-520-K5

0.03~0.52GHz, 500W

Features:

* Low Insertion Loss

Applications:

* Amplifiers
* Transmitter
* Laboratory Test
* Radar



Electrical

Frequency:	0.03~0.52GHz
Coupling:	50±1.5dB
Coupling Flatness:	±1.5dB typ.
Insertion Loss:	0.2dB max.
VSWR (Mainline):	1.1 typ.
VSWR (Coupling):	1.2 typ.
Directivity:	23dB min.
Average Power:	500W
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-30-520-K5-X-Y

X: Coupling (50 - Outline A, B)

Y: Connector type

Connector naming rules:

NS - N Female & SMA Female (Outline A)

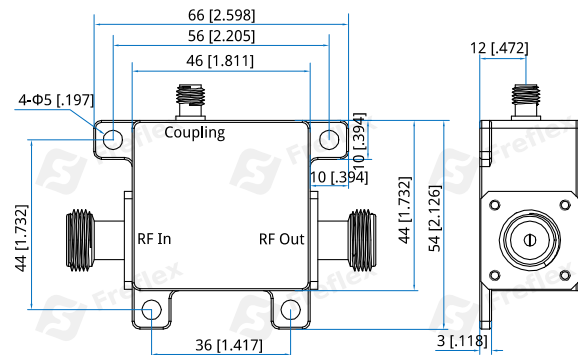
N - N Female (Outline B)

Examples:

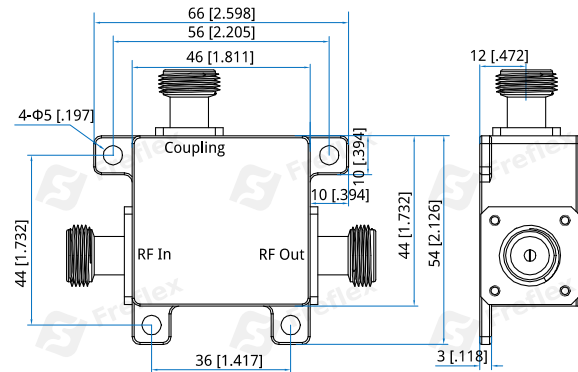
To order a single directional coupler, 0.03~0.52GHz, 500W, 50dB, N Female & SMA Female, specify FSDC-30-520-K5-50-NS.

Customization is available upon request.

Outline Drawings



Outline A



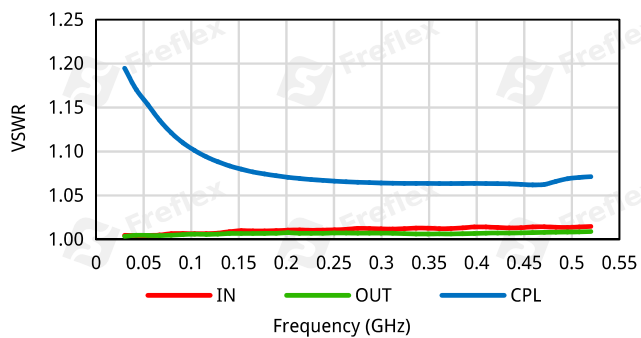
Outline B

Unit: mm [in]

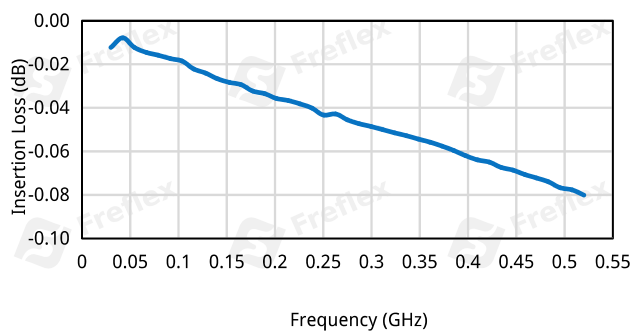
Tolerance: ±0.5mm [±0.02in]

Typical Performance Curves

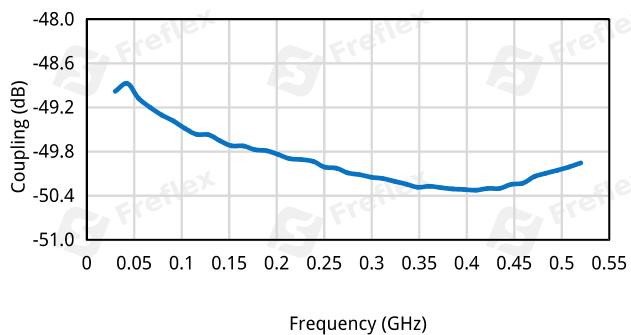
VSWR vs. Frequency



Insertion Loss vs. Frequency



Coupling vs. Frequency



Directivity vs. Frequency

