

FDDC-0.1-30-K5

0.1~30MHz, 500W

Features:

* Low Insertion Loss

Applications:

* Amplifiers
* Transmitter
* Laboratory Test
* Radar



Electrical

Frequency:	0.1~30MHz
Coupling:	40±1, 50±1dB
Coupling Flatness:	±0.5dB max.
Insertion Loss:	0.1dB max.
VSWR:	1.1 max.
Directivity:	30dB min.
Average Power:	500W
Impedance:	50Ω

Mechanical

Size ^{*1} :	120*55.9*30mm 4.724*2.201*1.181in
RF Connectors:	N female
Coupling Connectors:	N female, SMA female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operating Temperature:	-45~+85°C
Non-operating Temperature:	-55~+125°C

How To Order

FDDC-0.1-30-K5-X-Y

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

Y: Connector type

Connector naming rules:

NS - N Female & SMA Female (Outline A)

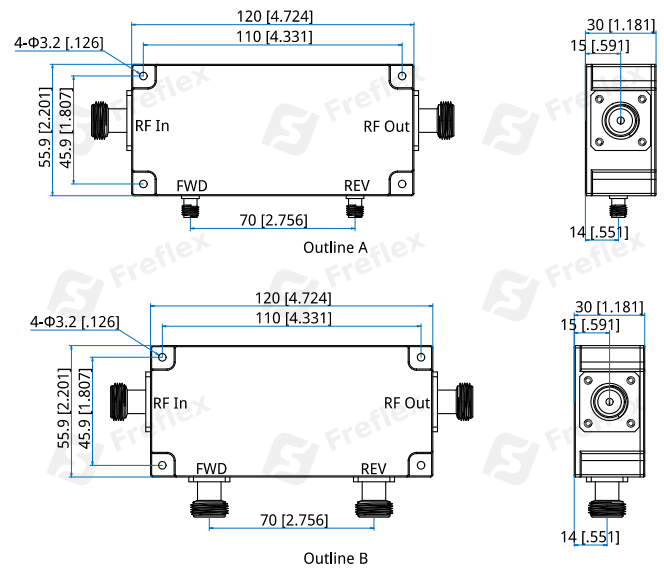
N - N Female (Outline B)

Examples:

To order a dual directional coupler, 0.1~30MHz, 500W, 40dB, N Female & SMA Female, specify FDDC-0.1-30-K5-40-NS.

Customization is available upon request.

Outline Drawings



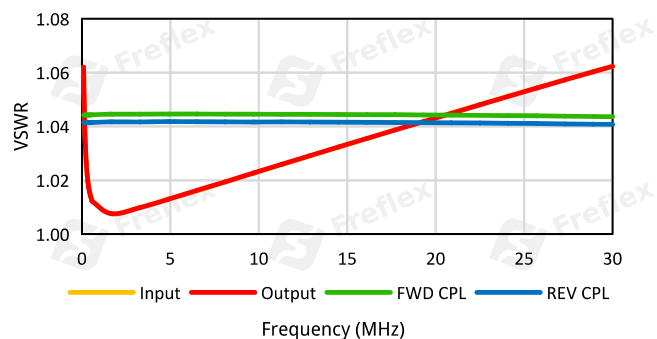
Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

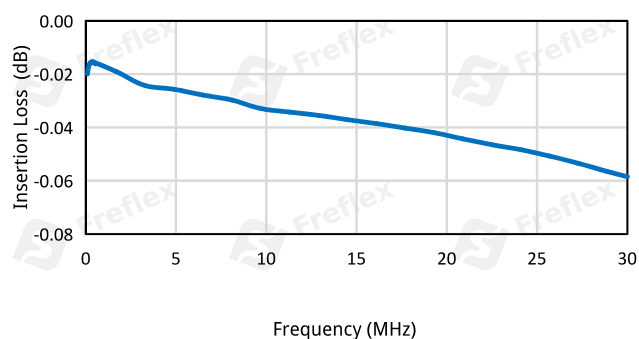
Typical Performance Curves

40dB

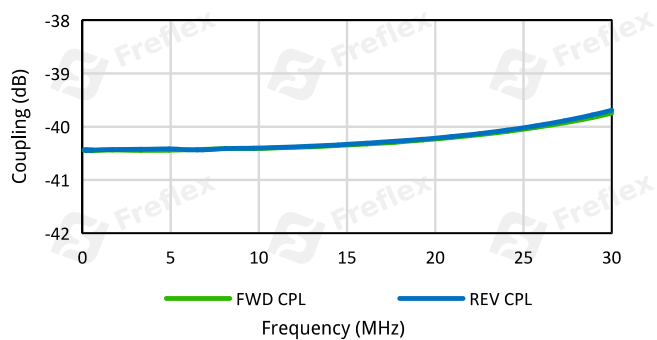
VSWR vs. Frequency



Insertion Loss vs. Frequency



Coupling vs. Frequency



Directivity vs. Frequency

