

FSDC-30-520-K2

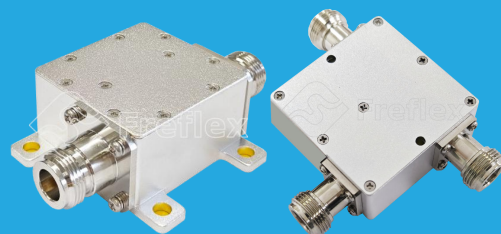
0.03~0.52GHz, 200W

Features:

- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar



Electrical

Frequency:	0.03~0.52GHz
Average Power:	200W
Impedance:	50Ω

Coupling (dB)	Insertion Loss (dB max.)	VSWR (Mainline) (max.)	VSWR (Coupling) (typ.)	Coupling Flatness (±dB max.)	Directivity (dB min.)
30±1	0.5	1.15	1.2	1	20
40±1.5	0.3	1.2	1.2	1.5	20
50±1.5	0.2	1.1 typ.	1.2	1.5 typ.	23

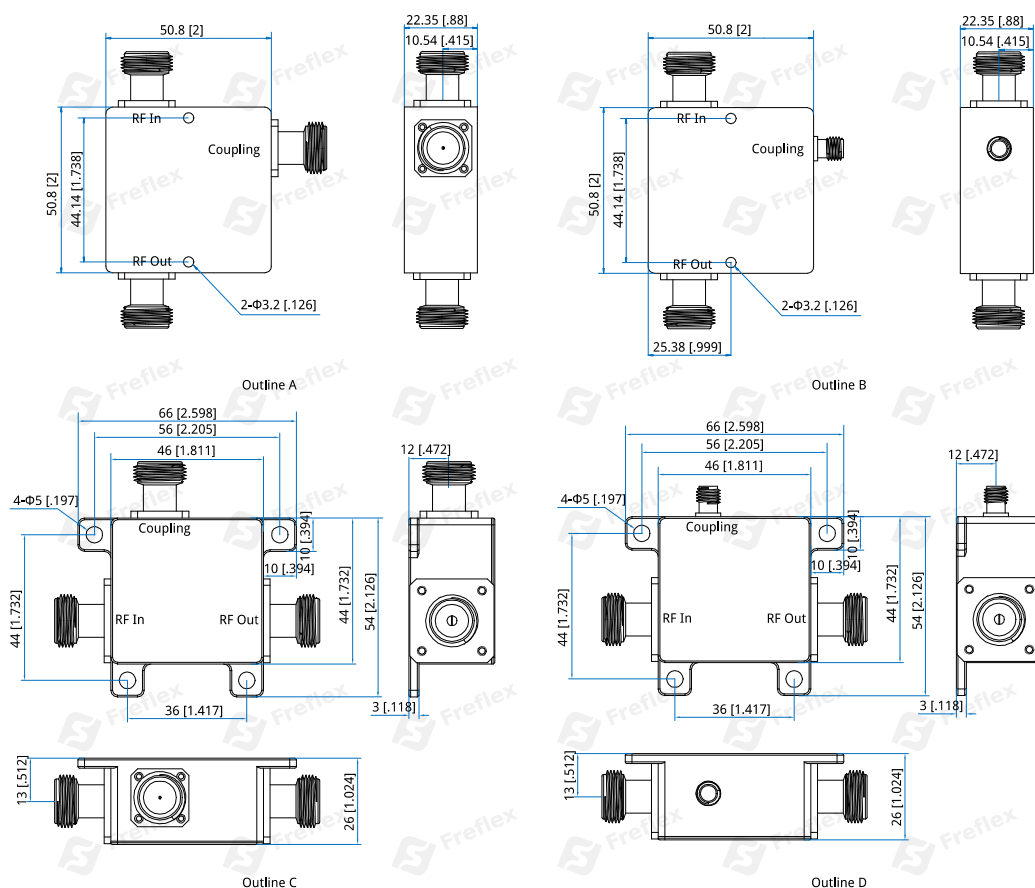
Mechanical

Connectors:	N female, SMA female
Mounting:	2-Φ3.2mm through-hole 4-Φ5mm through-hole

Environmental

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

Outline Drawings



Unit: mm [in]

Tolerance: ±0.3mm [±0.012in]

How To Order

FSDC-30-520-K2-X-Y

X: Coupling (30, 40dB - Outline A, B, 50dB - Outline C, D)

Y: Connector type

Connector naming rules:

NS - N Female & SMA Female (Outline B, D)

N - N Female (Outline A, C)

Examples:

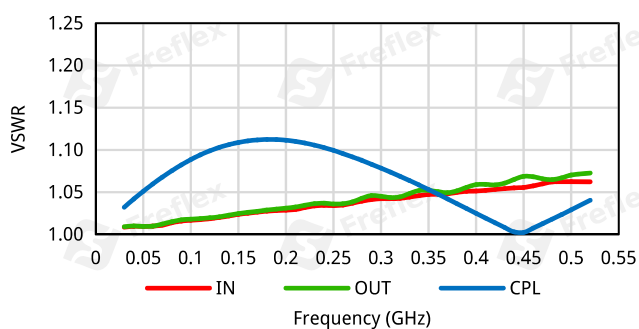
To order a single directional coupler, 30~520MHz, 200W, 40dB, N female & SMA female, specify FSDC-30-520-K2-40-NS.

Customization is available upon request.

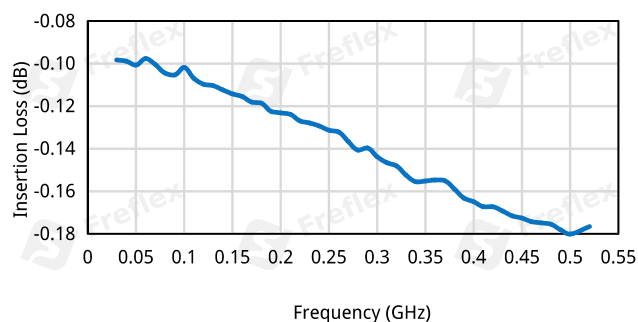
Typical Performance Curves

40dB

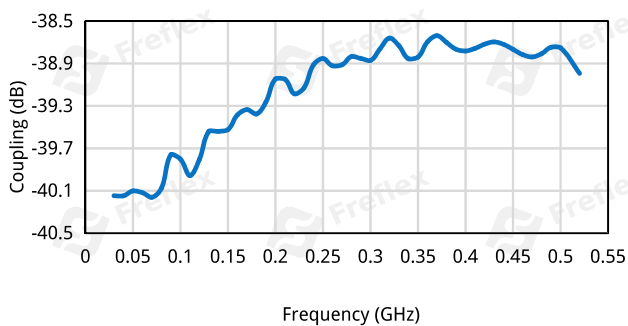
VSWR vs. Frequency



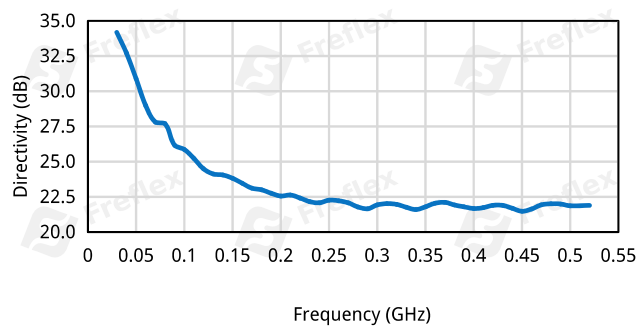
Insertion Loss vs. Frequency



Coupling vs. Frequency



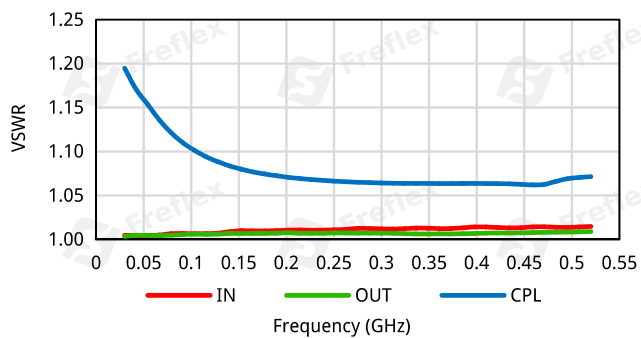
Directivity vs. Frequency



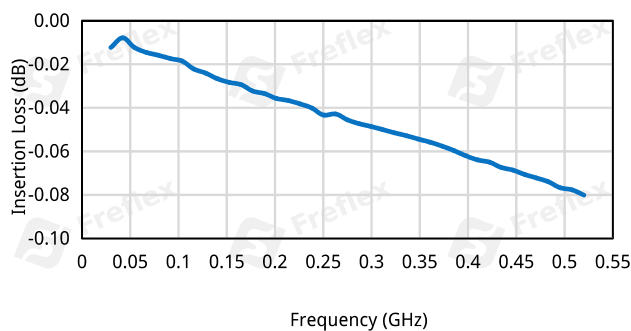
Single Directional Coupler

50dB

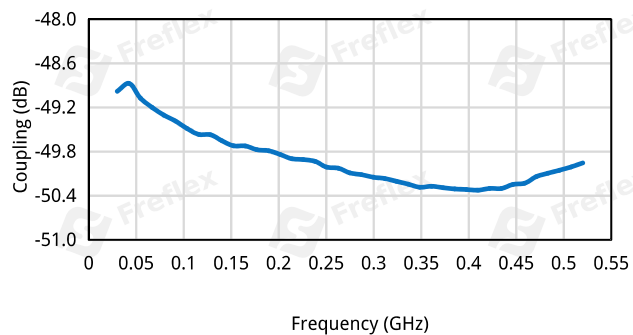
VSWR vs. Frequency



Insertion Loss vs. Frequency



Coupling vs. Frequency



Directivity vs. Frequency

