

FSDC-1000-18000-30

1~18GHz, 30W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

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

Electrical

Frequency: 1~18GHz
Average Power: 30W max.
Impedance: 50Ω

Coupling (dB)	Insertion Loss (dB max.)	VSWR (Mainline) (max.)	Coupling Flatness (dB max.)	Directivity (dB min.)
6±0.6	2.5	1.5	±0.7	15
10±1	1.8	1.6	±1	10
16±1 (N)	1.25	1.5	±1	12
16±1 (SMA)	1.1	1.5	±1	12
20±1	1.5	1.6	±1	10
30	1.5	1.6	±1	10

Mechanical

Connectors: SMA Female
N Female

Environmental

Operating Temperature: -40~+85°C
-55~+85°C (Outline A)

Non-operation Temperature: -55~+100°C (Outline A)

How To Order

FSDC-1000-18000-30-X-Y

X: Coupling (6dB - Outline A, 10dB - Outline B, 16dB - Outline C, E, 20dB - Outline D, 30dB - To be done)

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A, B, D, E)

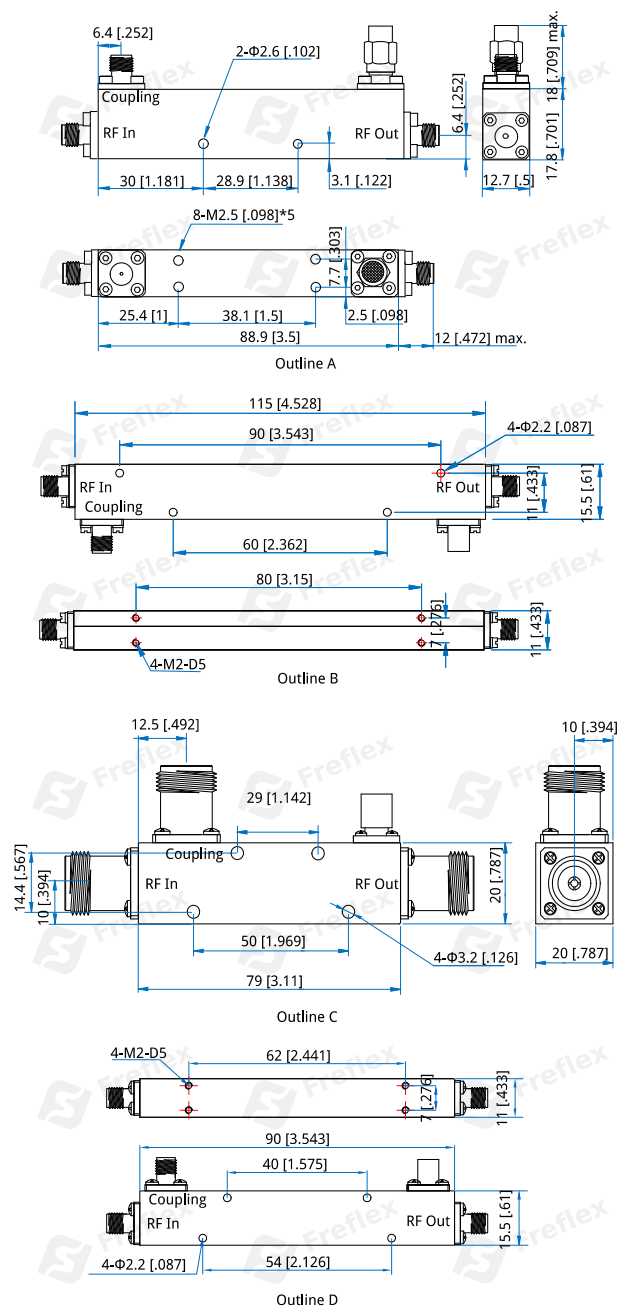
N - N Female (Outline C)

Examples:

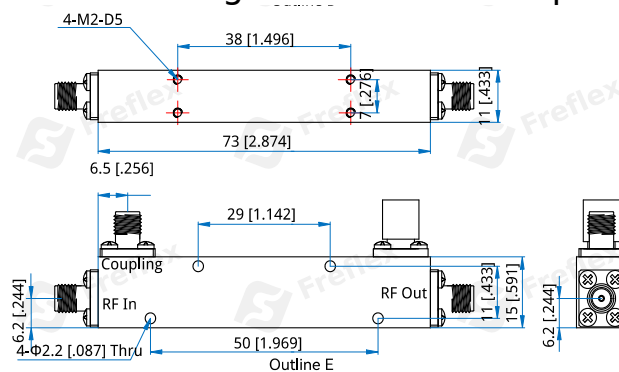
To order a single directional coupler, 1~18GHz, 30W, 10dB, SMA, specify FSDC-1000-18000-30-10-S.

Customization is available upon request.

Outline Drawings



Single Directional Couplers



Unit: mm [in]

Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]