

FDDC-18000-50000-20

18~50GHz, 20W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

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

Electrical

Frequency: 18~50GHz
 Power*1: 20W CW max.
 Peak Power: 1000W max.
 Impedance: 50Ω

[1] The power needs to meet the matching VSWR not exceeding 1.2.

Coupling (dB)	Insertion Loss (dB max.)	VSWR (max.)	Coupling Flatness (dB max.)	Directivity (dB min.)
10±0.9	3.2	1.8 (Mainline)	±0.9	9
		1.8 (Coupling)		
20±0.9	2.4	1.8 (Mainline)	±0.9	8
		1.8 (Coupling)		
30±0.9	2.3	1.8 (Mainline)	±0.9	8
		1.8 (Coupling)		

Mechanical

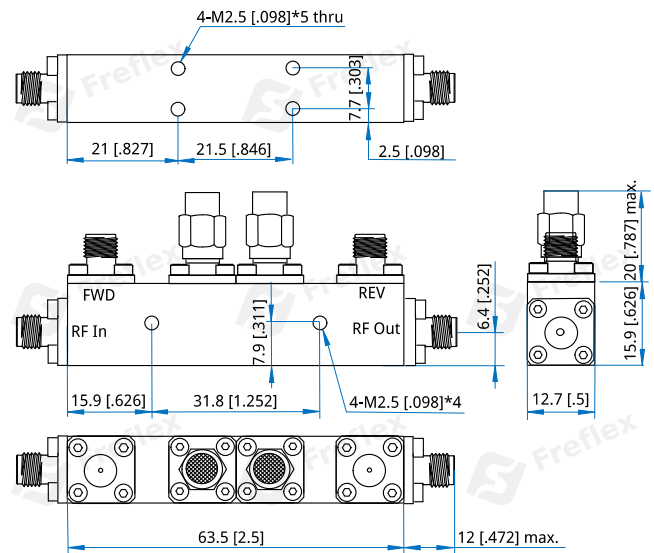
Size*2: 63.5*12.7*15.9mm
 2.5*0.5*0.626in
 RF Connectors: 2.4mm Female
 Coupling Connectors: 2.4mm Female

[2] Exclude connectors.

Environmental

Operation Temperature: -55~+85°C
 Non-operation Temperature: -55~+100°C

Outline Drawings



Unit: mm [in]

Tolerance: x.±1mm [±0.039in], .x±0.5mm [±0.02in], .xx±0.1mm [±0.004in]

How To Order

FDDC-18000-50000-20-X-Y

X: Coupling (10dB, 20dB, 30dB)

Y: Connector type

Connector naming rules:

2 - 2.4mm female

Examples:

To order a dual directional coupler, 18~50GHz, 20W, 30dB, 2.4mm female, specify FDDC-18000-50000-20-30-2.

Customization is available upon request.