

## FDDBC-5380-8170

5.38~8.17GHz

### Features:

- \* Broadband
- \* High Power
- \* Low Insertion Loss

### Applications:

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

### Electrical

Frequency: 5.38~8.17GHz  
 Power Handling: 0.79MW

Coupling (dB)	VSWR (Mainline) (max.)	VSWR (Coupling) (max.)	Directivity (dB min.)
40±1	1.1	1.3	30
50±1	1.1	1.3	30

### Mechanical

Interface: WR-137 (BJ70)  
 Flange: FDP70  
 Material: Aluminium  
 Finish: Conductive oxidation  
 Coating: Black paint

### How To Order

**FDDBC-5380-8170-W-X-Y-Z**

W: Coupling:

40dB - Outline A, B

50dB - Outline C

X: Coupling Connector type

Y: Material

Z: Flange type

Connector naming rules:

N - N female (Outline A)

NS - N female & SMA female (Outline B)

S - SMA female (Outline C)

Material naming rules:

A - Aluminium (Outline A, B, C)

Flange naming rules:

2 - FDP (Outline A, B, C)

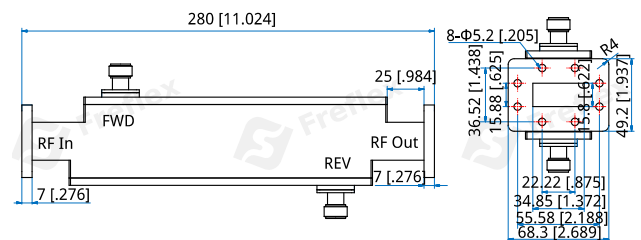
Examples:

To order a Dual Directional Broadwall Coupler, 5.38~8.17GHz, 40dB, N female, Aluminium, FDP70, specify FDDBC-5380-8170-40-N-A-2.

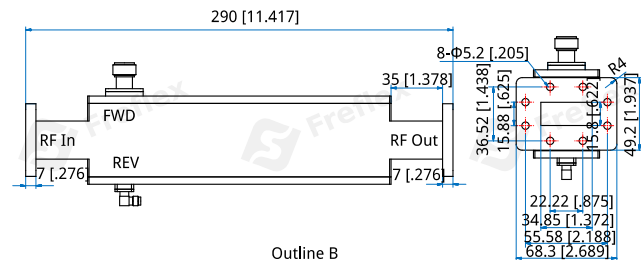
### Environmental

Operating Temperature: -40~+125°C

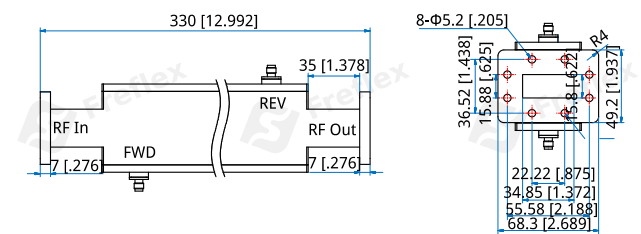
### Outline Drawings



Outline A



Outline B



Outline C

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

Customization is available upon request.