

## QDDC-80-1000-K2

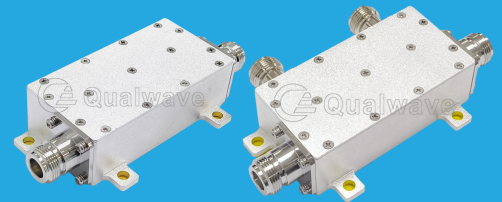
0.08~1GHz, 200W

### Features:

\* Low Insertion Loss

### Applications:

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



### Electrical

Frequency: 0.08~1GHz  
 Average Power: 200W  
 Impedance: 50Ω

Coupling (dB)	Insertion Loss (dB max.)	VSWR (max.)	Coupling Flatness (dB max.)	Directivity (dB min.)
40±1	0.3	1.2 (Mainline)	±1	20
		1.5 (Coupling)		
50±1.5	0.3	1.2	±1.5	20
60±1.5	0.3	1.2	±1.5	20

### Mechanical

Size\*1: 105\*54\*26mm  
 4.134\*2.126\*1.024in  
 RF Connectors: N Female  
 Coupling Connectors: N Female, SMA Female  
 Mounting: 4-Φ5mm through-hole

[1] Exclude connectors.

### How To Order

**QDDC-80-1000-K2-X-Y**

X: Coupling: (40, 50, 60dB - Outline A, B)

Y: Connector type

### Connector naming rules:

NS - N Female & SMA Female (Outline A)

N - N Female (Outline B)

### Examples:

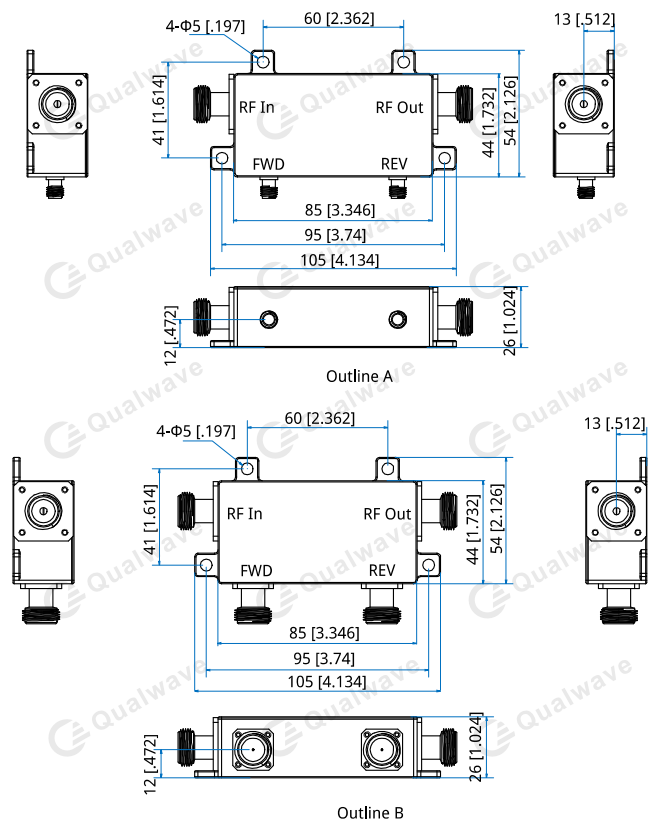
To order a dual directional coupler, 0.08~1GHz, 200W, 60dB, N Female & SMA Female, specify QDDC-80-1000-K2-60-NS.

Customization is available upon request.

### Environmental

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

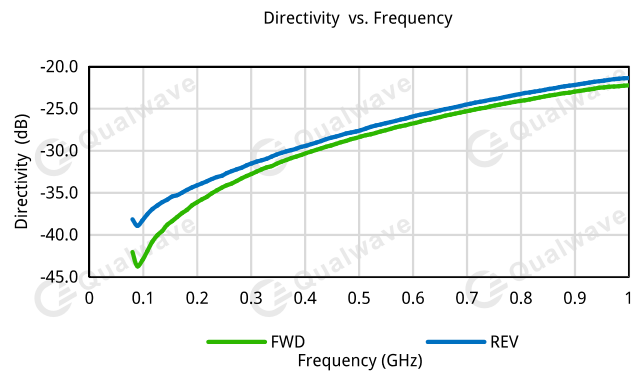
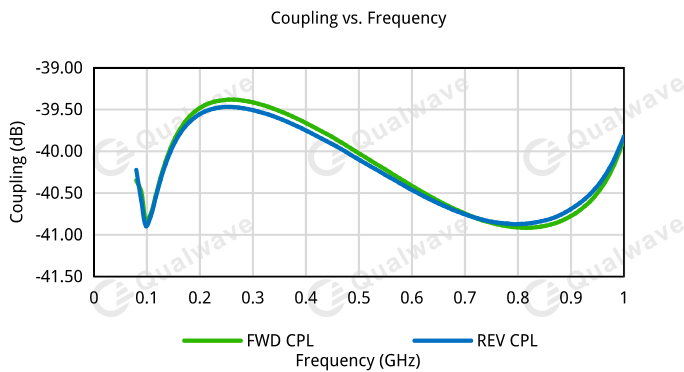
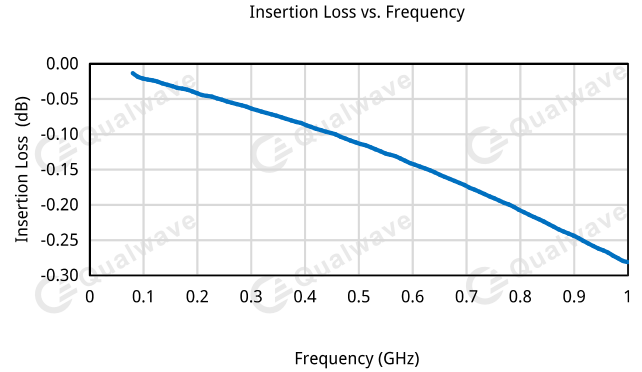
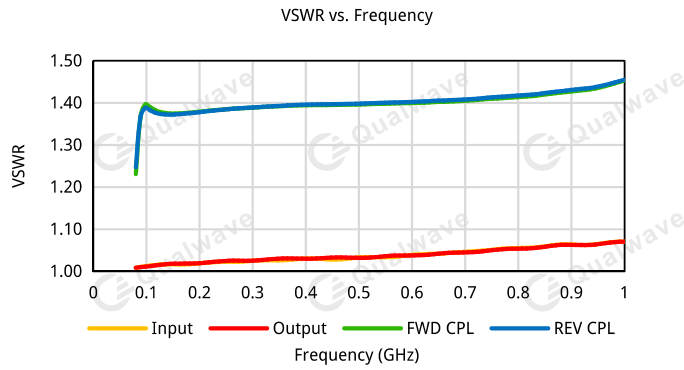
### Outline Drawings



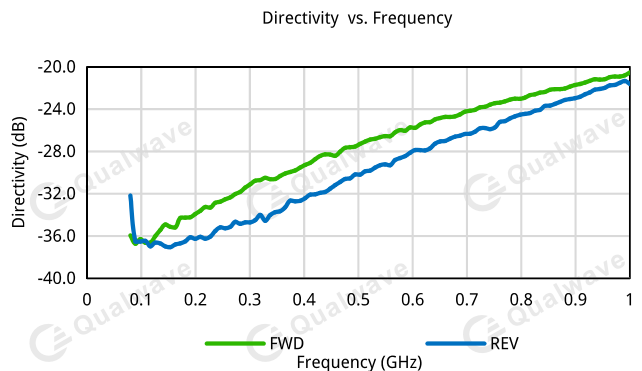
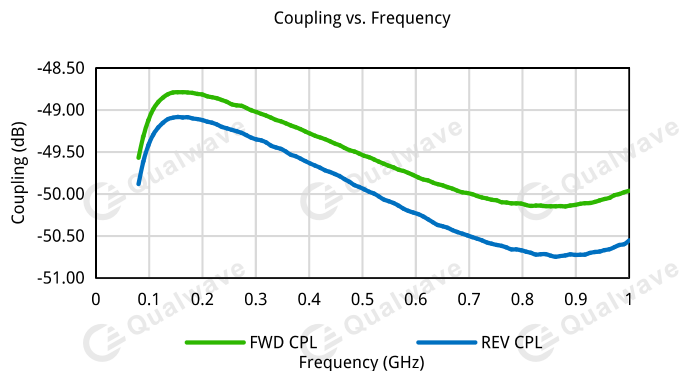
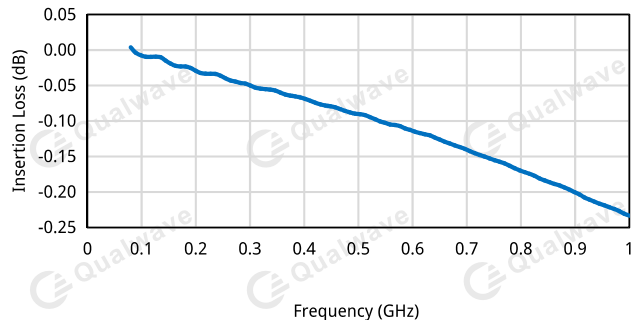
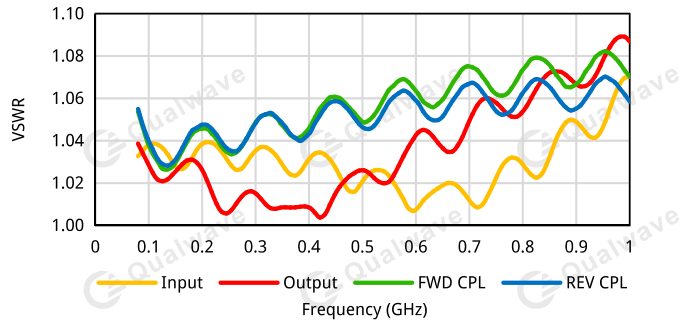
Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

## Typical Performance Curves 40dB

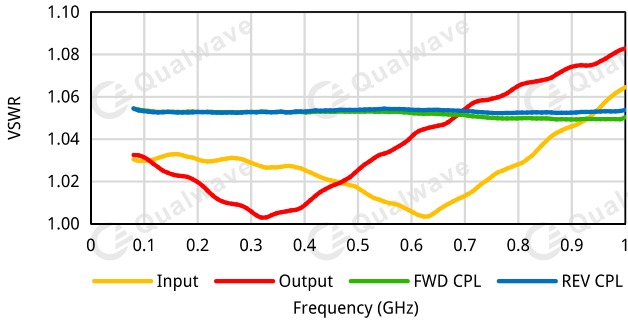


## 50dB

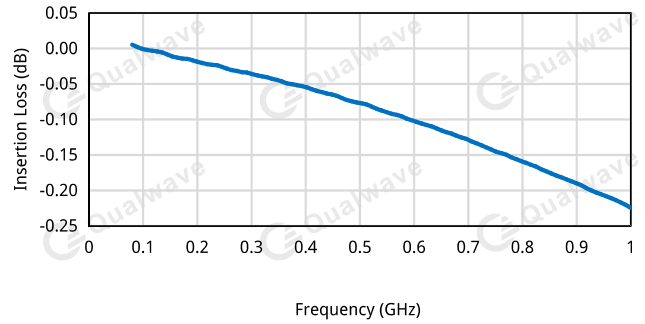


60dB

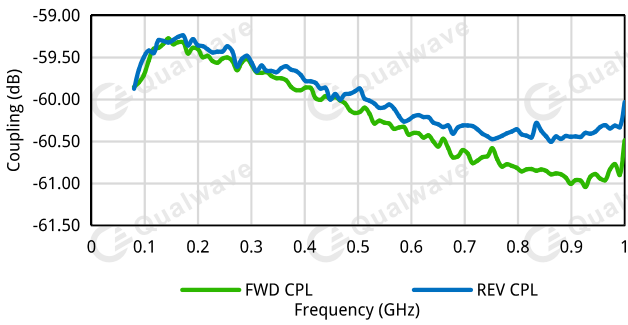
VSWR vs. Frequency



Insertion Loss vs. Frequency



Coupling vs. Frequency



Directivity vs. Frequency

