

## QDDC-40000-67000-12

### 40~67GHz, 12W

#### Features:

- \* Broadband
- \* Low Insertion Loss

#### Applications:

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

#### Electrical

Frequency: 40~67GHz  
Power<sup>\*1</sup>: 12W 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±1.1	3.7	2 (Mainline )	±1.1	8
		2 (Coupling )		
20±1.1	3.1	2 (Mainline )	±1.2	7
		2 (Coupling )		
30±1.1	3.0	2 (Mainline )	±1.2	7
		2 (Coupling )		

#### Mechanical

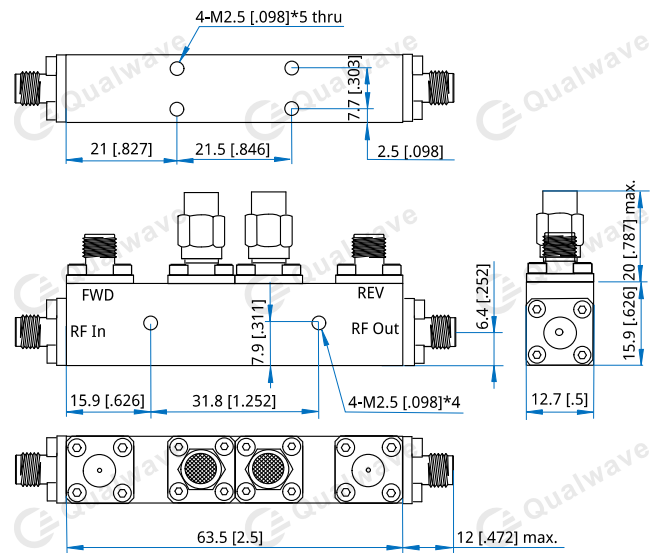
Size<sup>\*2</sup>: 63.5\*12.7\*15.9mm  
2.5\*0.5\*0.626in  
RF Connectors: 1.85mm Female  
Coupling Connectors: 1.85mm Female

[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

**QDDC-40000-67000-12-X-Y**

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

Y: Connector type

Connector naming rules:

V - 1.85mm female

Examples:

To order a dual directional coupler, 40~67GHz, 12W, 30dB, 1.85mm female, specify QDDC-40000-67000-12-30-V.

Customization is available upon request.