

## QDDC-6000-50000-20

### 6~50GHz, 20W

#### Features:

- \* Broadband
- \* Low Insertion Loss

#### Applications:

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

#### Electrical

Frequency:	6~50GHz
Power* <sup>1</sup> :	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±1	3.2	1.8 (Mainline )	±1.1	9
		1.8 (Coupling )		
20±1.1	2.4	1.8 (Mainline )	±1.1	8
		1.8 (Coupling )		
30±1.1	2.3	1.8 (Mainline )	±1.1	8
		1.8 (Coupling )		

#### Mechanical

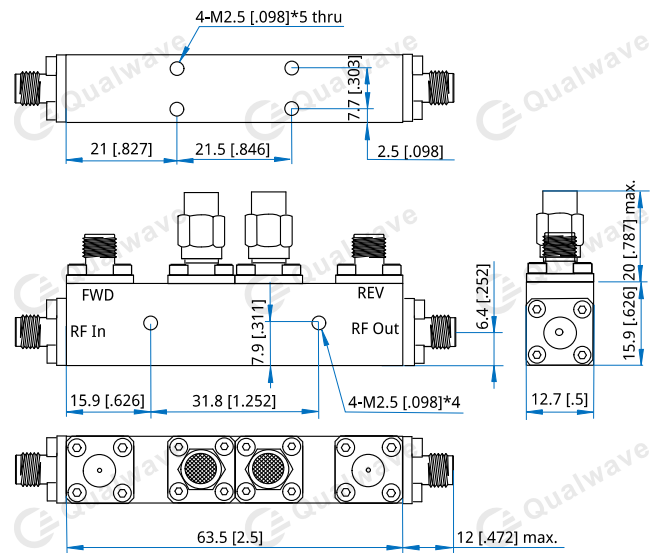
Size* <sup>2</sup> :	63.5*12.7*15.9mm
	2.5*0.5*0.626in
RF Connectors:	2.4mm Female
Coupling Connectors:	2.4mm Female

[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

**QDDC-6000-50000-20-X-Y**

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

Y: Connector type

Connector naming rules:

2 - 2.4mm female

Examples:

To order a dual directional coupler, 6~50GHz, 20W, 30dB, 2.4mm female, specify QDDC-6000-50000-20-30-2.

Customization is available upon request.