

QDDC-2000-50000-20

2~50GHz, 20W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	2~50GHz
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±1.1	3.8	1.8 (Mainline)	±1.2	9
		1.8 (Coupling)		
20±1.2	2.8	1.8 (Mainline)	±1.3	8
		1.8 (Coupling)		
30±1.2	2.7	1.8 (Mainline)	±1.3	8
		1.8 (Coupling)		

Mechanical

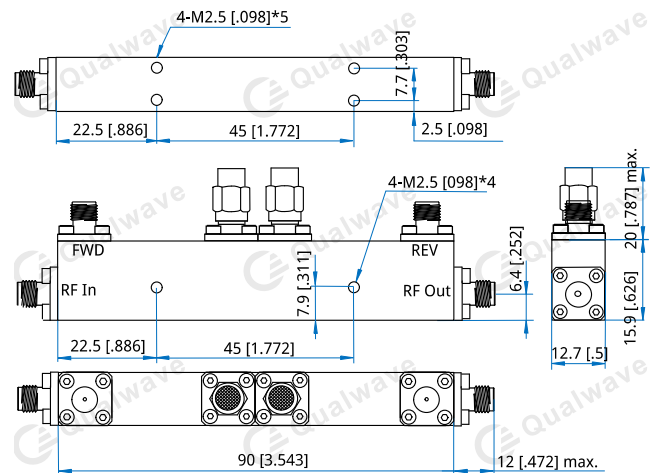
Size* ² :	90*12.7*15.9mm 3.543*0.5*0.626in
RF Connectors:	2.4mm Female
Coupling Connectors:	2.4mm Female

[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-2000-50000-20-X-Y

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

Y: Connector type

Connector naming rules:

2 - 2.4mm female

Examples:

To order a dual directional coupler, 2~50GHz, 20W, 30dB, 2.4mm female, specify QDDC-2000-50000-20-30-2.

Customization is available upon request.