

## QDDC-500-40000-20

0.5~40GHz, 20W

### Features:

- \* Broadband
- \* Low Insertion Loss

### Applications:

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

### Electrical

Frequency:	0.5~40GHz
Impedance:	50Ω
Average Power*1:	20W max. CW
Peak Power:	3000W

[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±0.9	5	1.7	1.4	12
		(Mainline )		
		(Coupling )		
20±1	2.4	1.7	1.2	10
		(Mainline )		
		(Coupling )		
30±1	2.3	1.7	1.2	10
		(Mainline )		
		(Coupling )		

### Mechanical

Connectors:	2.92mm Female
Mounting:	4-Φ2.6mm through-hole

### How To Order

**QDDC-500-40000-20-X-Y**

X: Coupling (10dB - Outline A, 20, 30dB - Outline B)

Y: Connector type

### Connector naming rules:

K - 2.92mm Female (Outline A, B)

### Examples:

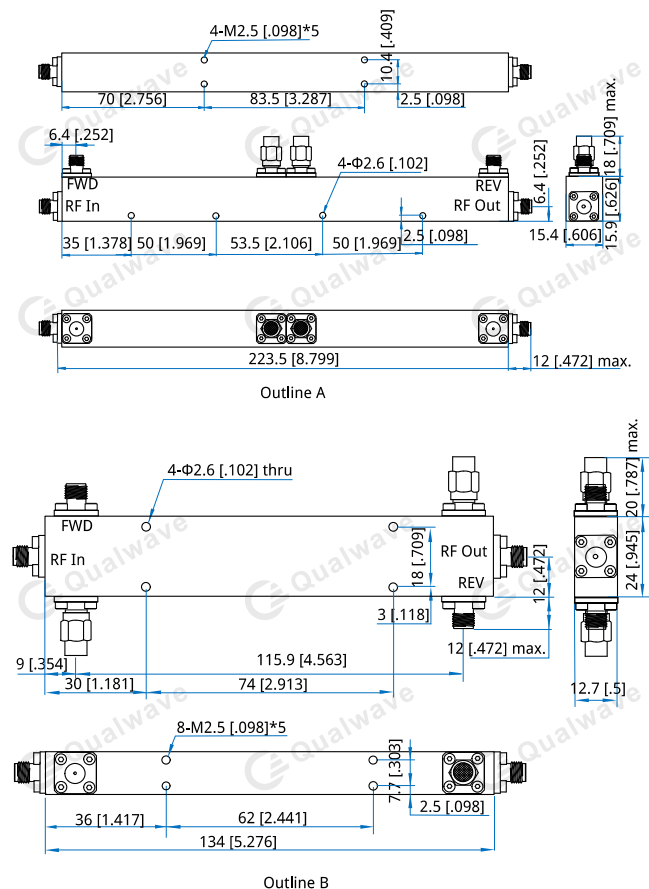
To order a dual directional coupler, 0.5~40GHz, 20W, 10dB, 2.92mm Female, specify QDDC-500-40000-20-10-K.

Customization is available upon request.

### 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]