

## QDDC-5000-6000-K1

### 5~6GHz, 100W

Features:  
\* Low Insertion Loss

Applications:  
\* Amplifiers  
\* Transmitter  
\* Laboratory Test  
\* Radar

### Electrical

Frequency: 5~6GHz  
Coupling: 10±0.5, 20±1, 50±1dB  
Average Power: 100W

Coupling (dB)	Coupling Flatness (dB)	VSWR (Main line) (max.)	VSWR (Coupling) (max.)	Insertion Loss (dB) (max.)	Directivity (dB min.)	Peak Power (W)
10±0.5	0.5	1.2	-	0.5	20	1000
20±1	-	1.15	-	0.2	18	-
50±1	±0.5 max.	1.3	1.4	0.3	15	500

### Mechanical

RF Connectors: N female, SMA female  
Coupling Connectors: SMA female

### Environmental

Operating Temperature: -55~+85°C

### How To Order

#### QDDC-5000-6000-K1-X-Y

X: Coupling: (10±0.5dB - Outline A, 20±1dB - Outline B, 50±1dB - Outline C)

Y: Connector type

Connector naming rules:

NS - N Female & SMA Female (Outline A, C)

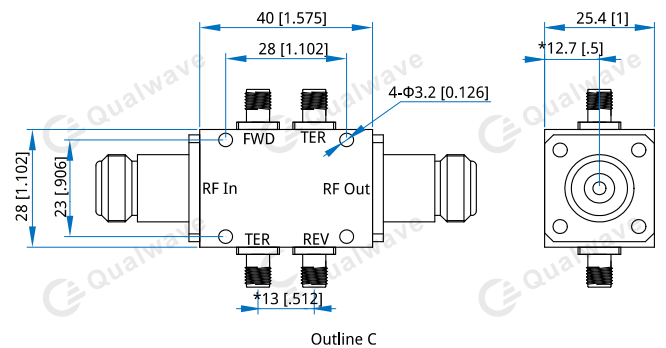
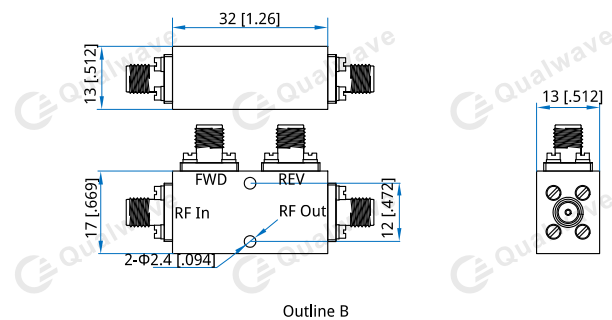
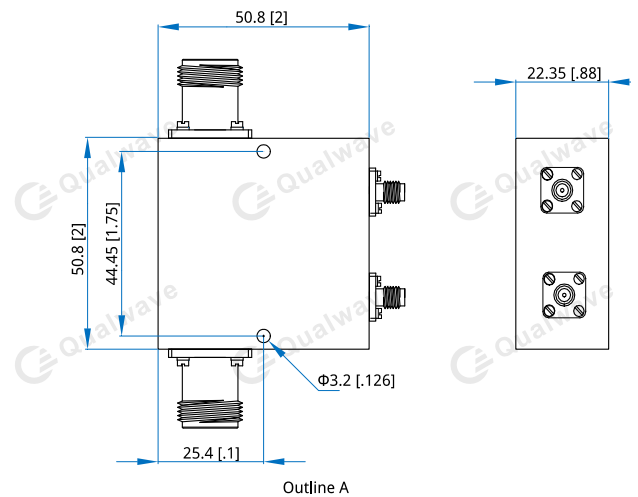
S - SMA Female & SMA Female (Outline B)

Examples:

To order a dual directional coupler, 5~6GHz, 100W, 10dB, N Female & SMA Female, specify QDDC-5000-6000-K1-10-NS.

Customization is available upon request.

### Outline Drawings



Unit: mm [in]

Tolerance: ±0.3mm [±0.012in]

\*Ensure dimensions for design.