

## QDDC-300-6000-K4

0.3~6GHz, 400W

### Features:

- \* Broadband
- \* Low Insertion Loss

### Applications:

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

### Electrical

Frequency: 0.3~6GHz  
Power<sup>\*1</sup>: 400W CW max.  
Peak Power: 3000W 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.)
30±0.9	0.7	1.4 (Mainline )	±1.5	15
		1.4 (Coupling )		
40±1	0.7	1.4 (Mainline )	±1.6	15
		1.4 (Coupling )		

### Mechanical

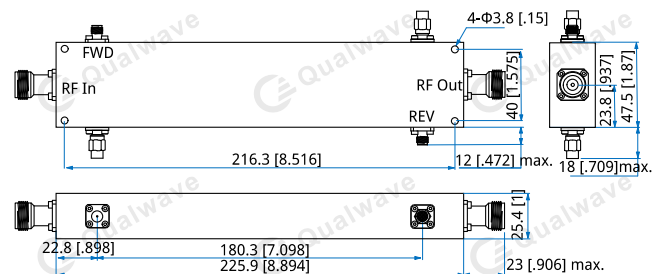
Size<sup>\*2</sup>: 225.9\*47.5\*25.4mm  
8.894\*1.87\*1in  
RF Connectors: N Female  
Coupling Connectors: SMA Female  
Mounting: 4-Φ3.8mm through-hole

[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-300-6000-K4-X-Y**

X: Coupling (30dB, 40dB)

Y: Connector type

Connector naming rules:

NS - N female & SMA female

Examples:

To order a dual directional coupler, 0.3~6GHz, 400W, 40dB, N female & SMA female, specify QDDC-300-6000-K4-40-NS.

Customization is available upon request.