

## QDDC-700-18000-K4

### 0.7~18GHz, 400W

#### Features:

- \* Broadband
- \* Low Insertion Loss

#### Applications:

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

#### Electrical

|                    |  |
|--------------------|--|
| Frequency:         | 0.7~18GHz  |
| Coupling:          | 30±1.2, 40±1.2dB                                 |
| Coupling Flatness: | ±1.4dB max. (30±1.2dB)<br>±1.5dB max. (40±1.2dB) |
| VSWR (Mainline):   | 1.5 max.   |
| VSWR (Coupling):   | 1.6 max.   |
| Insertion Loss:    | 0.9dB max.                                       |
| Directivity:       | 10dB min.  |
| Power*1:           | 400W CW max.                                     |
| Peak Power:        | 3000W max.                                       |
| Impedance:         | 50Ω  |

[1] The power needs to meet the matching VSWR not exceeding 1.2.

#### Mechanical

|                      |                                     |
|----------------------|-------------------------------------|
| Size*2:              | 152.3*25.4*47.5mm<br>5.996*1*1.87in |
| RF Connectors:       | N Female                            |
| Coupling Connectors: | SMA Female                          |
| Mounting:            | 4-Φ3.8mm through-hole               |

[2] Exclude connectors.

#### How To Order

**QDDC-700-18000-K4-X-Y**

X: Coupling (30dB, 40dB)

Y: Connector type

#### Connector naming rules:

NS - N female & SMA female

#### Examples:

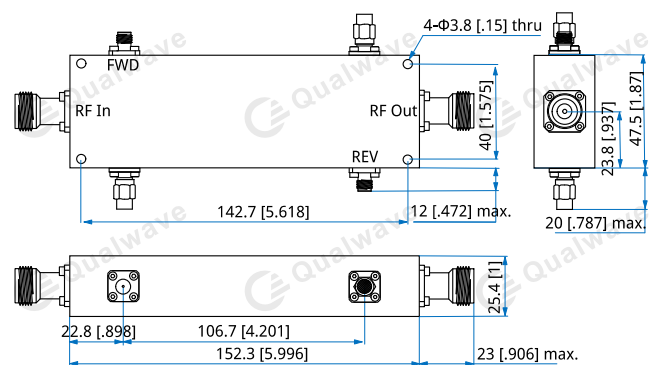
To order a dual directional coupler, 0.7~18GHz, 400W, 40dB, N female & SMA female, specify QDDC-700-18000-K4-40-NS.

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]