

## QDDC-500-18000-K12

### 0.5~18GHz, 120W

#### Features:

- \* Broadband
- \* Low Insertion Loss

#### Applications:

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

#### Electrical

Frequency:	0.5~18GHz
Coupling:	30±1.2, 40±1.2dB
Coupling Flatness:	±1.5dB max. (30±1.2dB) ±1.7dB max. (40±1.2dB)
VSWR (Mainline):	1.5max.
VSWR (Coupling):	1.6 max.
Insertion Loss:	1dB max.
Directivity:	10dB min.
Power*1:	120W CW max.
Peak Power:	3000W max.
Impedance:	50Ω

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

#### Mechanical

Size*2:	168.8*20*45mm 6.646*0.787*1.772in
RF Connectors:	N Female
Coupling Connectors:	SMA Female
Mounting:	4-Φ3.6mm through-hole

[2] Exclude connectors.

#### How To Order

**QDDC-500-18000-K12-X-Y**

X: Coupling (30dB, 40dB)

Y: Connector type

#### Connector naming rules:

NS - N female & SMA female

#### Examples:

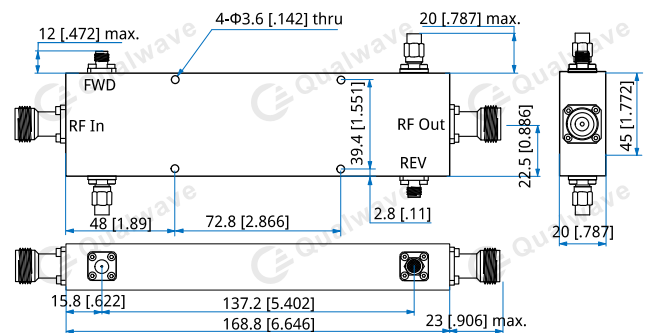
To order a dual directional coupler, 0.5~18GHz, 120W, 40dB, N female & SMA female, specify QDDC-500-18000-K12-40-NS.

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]