

## QDDC-400-8000-K12

0.4~8GHz, 120W

### Features:

- \* Broadband
- \* Low Insertion Loss

### Applications:

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

### Electrical

Frequency:	0.4~8GHz
Coupling:	30±1, 40±1dB
Coupling Flatness:	±1dB max.
VSWR (Mainline):	1.3 max.
VSWR (Coupling):	1.3 max.
Insertion Loss:	0.8dB max.
Directivity:	18dB 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:	139.7*17.5*30mm 5.5*0.689*1.181in
RF Connectors:	N Female
Coupling Connectors:	SMA Female
Mounting:	4-Φ3.6mm through-hole

[2] Exclude connectors.

### How To Order

**QDDC-400-8000-K12-X-Y**

X: Coupling (30dB, 40dB)

Y: Connector type

### Connector naming rules:

NS - N female & SMA female

### Examples:

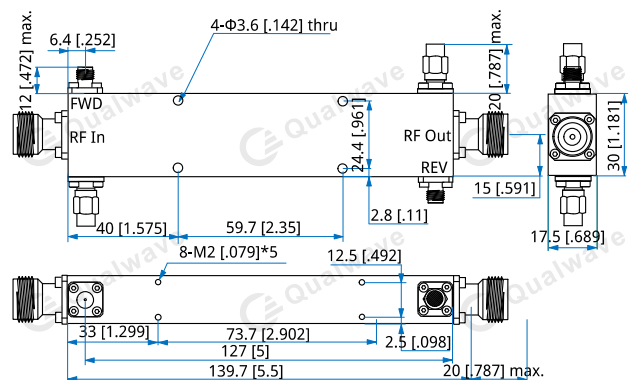
To order a dual directional coupler, 0.4~8GHz, 120W, 40dB, N female & SMA female, specify QDDC-400-8000-K12-40-NS.

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]