

QDDC-0.5-50-K1

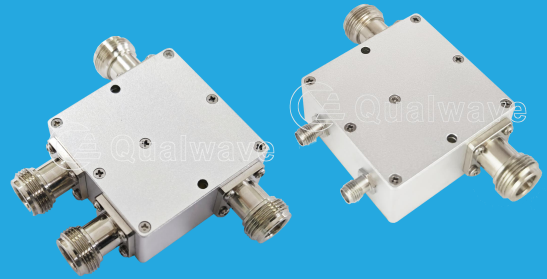
0.5~50MHz, 100W

Features:

* Low Insertion Loss

Applications:

* Amplifiers
* Transmitter
* Laboratory Test
* Radar



Electrical

Frequency:	0.5~50MHz
Insertion Loss:	0.2dB max.
VSWR (Mainline):	1.15 max.
VSWR (Coupling):	1.15 max.
Directivity:	19dB min.
Coupling:	30±0.5dB
Coupling Flatness:	±0.5dB
Average Power:	100W
Impedance:	50Ω

Mechanical

Size ^{*1} :	50.8*50.8*22.35mm 2*2*0.88in
Connectors:	N female, SMA female
Mounting:	2-Φ3.2mm through-hole

[1] Exclude connectors and termination

Environmental

Operating Temperature:	-40~+85°C
Non-operating Temperature:	-55~+100°C

How To Order

QDDC-0.5-50-K1-X-Y

X: Coupling (30dB - Outline A, B)

Y: Connector type

Connector naming rules:

N - N female (Outline A)

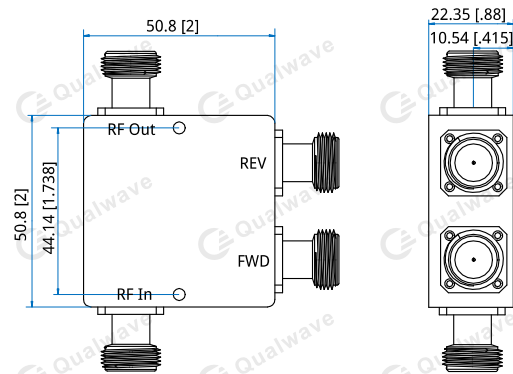
NS- N female & SMA female (Outline B)

Examples:

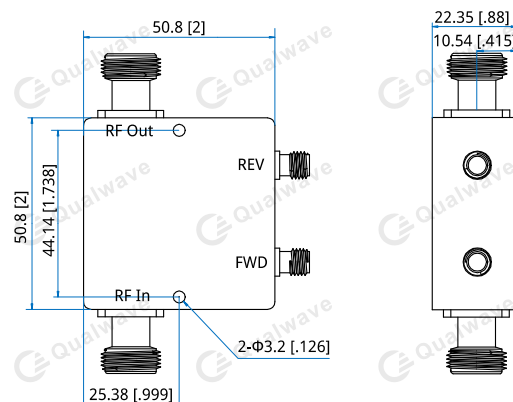
To order a dual directional coupler, 0.5~32MHz, 100W, 30dB, N female, specify QDDC-0.5-32-K1-30-N.

Customization is available upon request.

Outline Drawings



Outline A



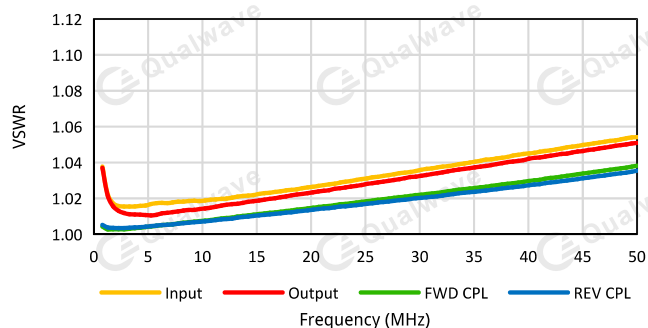
Outline B

Unit: mm [in]

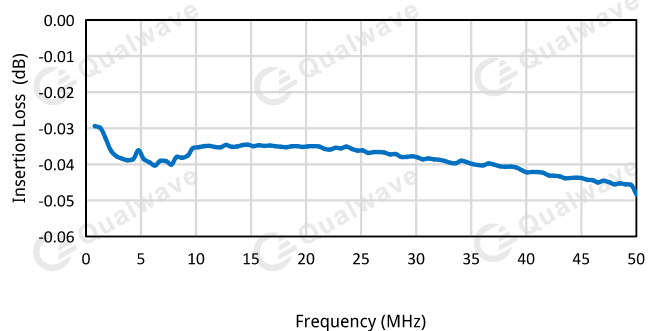
Tolerance: ±0.3mm [±0.012in]

Typical Performance Curves

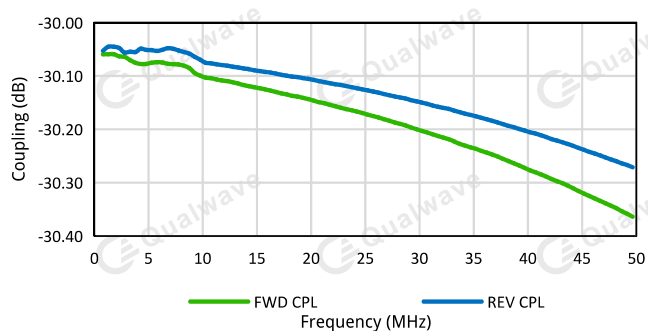
VSWR vs. Frequency



Insertion Loss vs. Frequency



Coupling vs. Frequency



Directivity vs. Frequency

