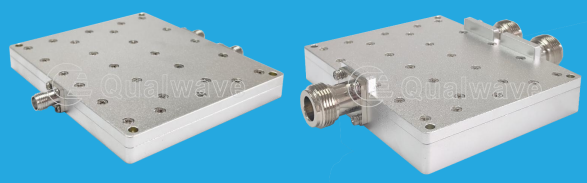
QPD2-90-180-K1-N

2-Way, 90~180MHz

Features:
* Small Size
* Low Insertion Loss

Applications:
* Amplifiers
* Mixers
* Antennas
* Laboratory Test



Electrical

Frequency:	90~180MHz
Insertion Loss[*1]:	0.4dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.15 max.
Isolation:	18dB min.
	30dB min. @118~138MHz
Amplitude Balance:	±0.1dB typ.
Phase Balance:	±1° typ.
Impedance:	50Ω typ.
Power @SUM Port:	100W max. as divider
	100W max. as combiner

[1] Excluding theoretical loss 3dB.

Mechanical

Connectors:	N Female, SMA Female
Mounting:	4-Φ3.2mm through-hole

Environmental

Operation Temperature:	-45~+85℃
Non-operating Temperature:	-55~+125℃

How To Order

QPD2-90-180-K1-X

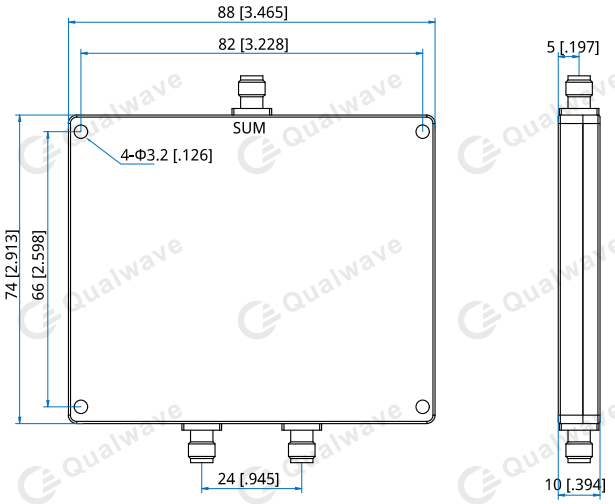
X: Connector type

Connector naming rules:
S - SMA Female (Outline A)
N - N Female (Outline B)

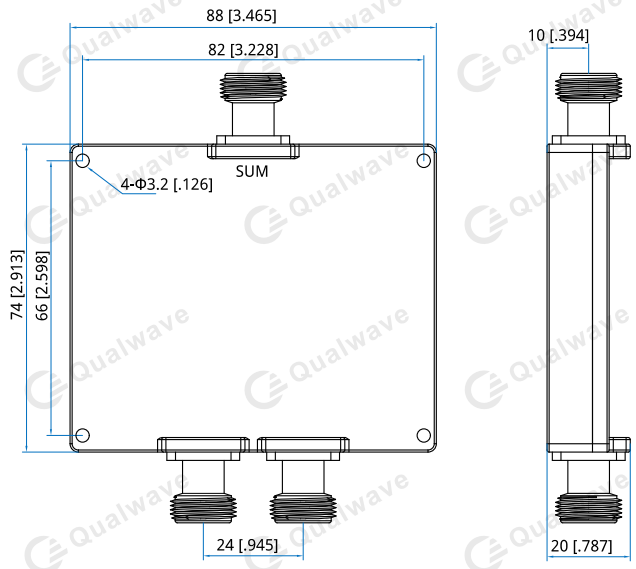
Examples:
To order a 2-way power divider, 90~180MHz, 100W, N female, specify QPD2-90-180-K1-N.

Customization is available upon request.

Outline Drawings



Outline A

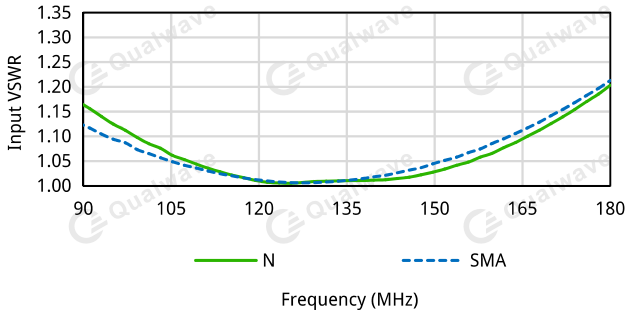


Outline B

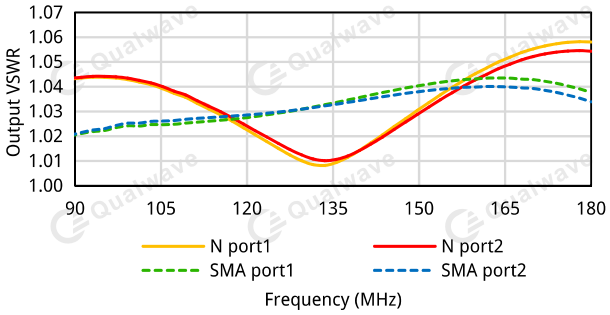
Unit: mm [in]
Tolerance: ±0.5mm [±0.02in]

Typical Performance Curves

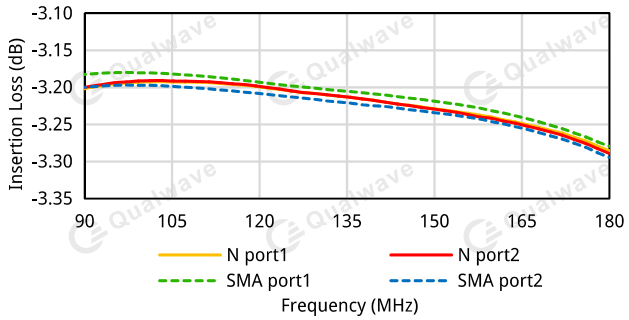
Input VSWR vs. Frequency



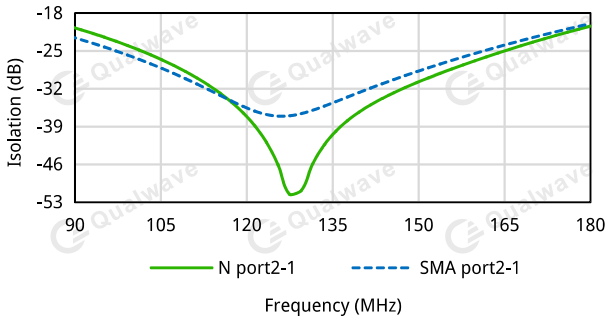
Output VSWR vs. Frequency



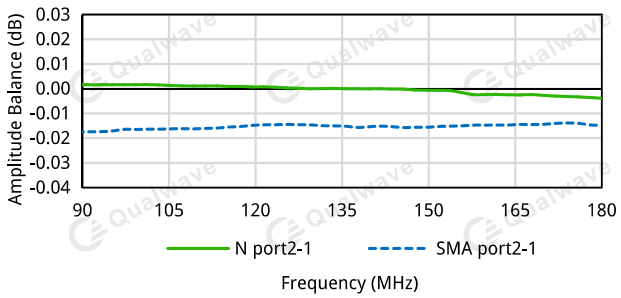
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude Balance vs. Frequency



Phase Balance vs. Frequency