

QPD4-106-176-K1-N

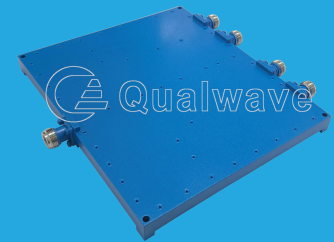
4-Way, 0.106~0.176GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test



Electrical

Frequency:	0.106~0.176GHz
Insertion Loss ^{*1} :	0.3dB max.
Input VSWR:	1.25 max.
Oupt VSWR:	1.25 max.
Isolation:	20dB min.
Amplitude Balance:	±0.1dB
Phase Balance:	±1°
Impedance:	50Ω
Power @SUM Port:	100W as divider 5W as combiner

[1] Excluding theoretical loss 6.0dB.

Mechanical

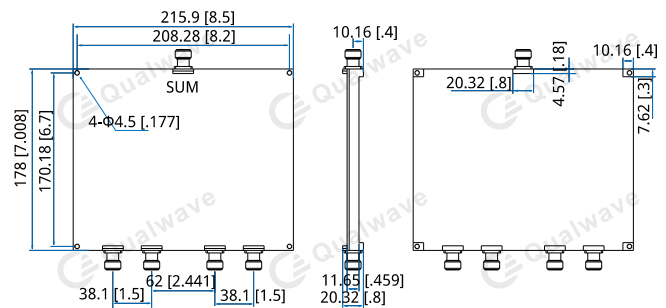
Size ^{*2} :	215.9*178*20.32mm 8.5*7.008*0.8in
Connectors:	N Female
Mounting:	4-Φ4.5mm through-hole
Coating:	Blue paint
Waterproof:	Meet waterproof requirements

[2] Exclude connectors.

Enviromental

Operating Temperature:	-35~+75°C
Non-operating Temperature:	-55~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.3mm [±0.012in]

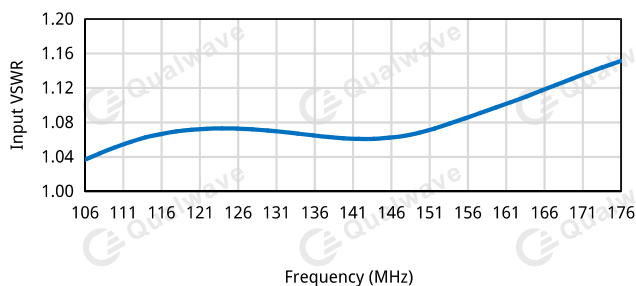
How To Order

QPD4-106-176-K1-N

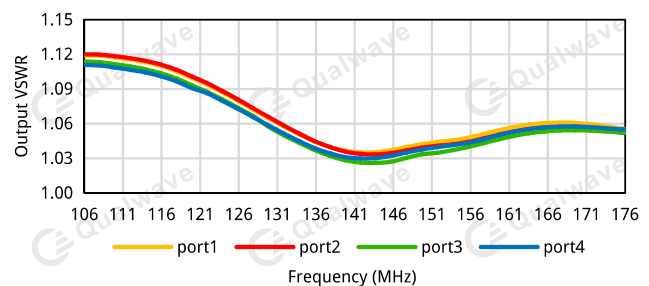
Customization is available upon request.

Typical Performance Curves

Input VSWR vs. Frequency

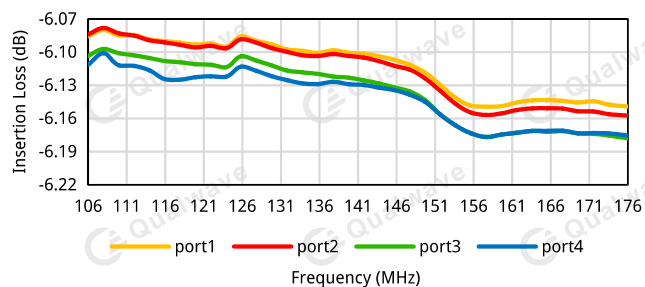


Output VSWR vs. Frequency

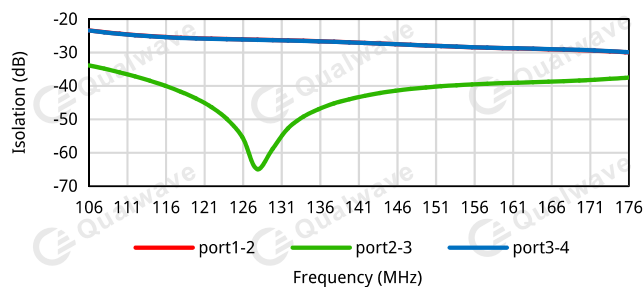


4-Way Power Divider/Combiner

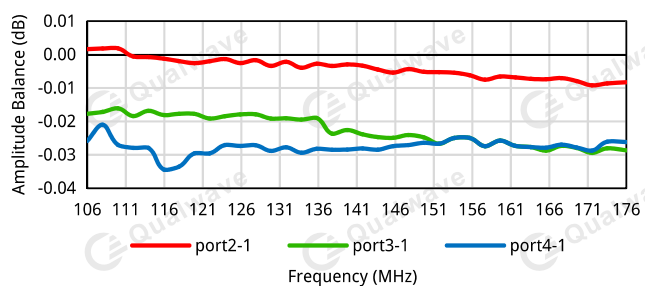
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude Balance vs. Frequency



Phase Balance vs. Frequency

