

### QPD2-400-6000-30

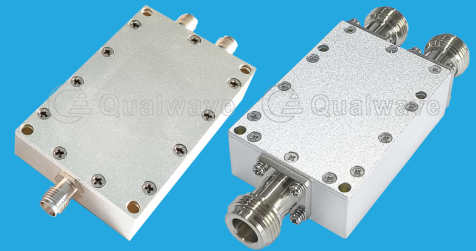
2-Way, 0.4~6GHz

#### Features:

- \* Small Size
- \* Low Insertion Loss

#### Applications:

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



#### Electrical

Frequency:	0.4~6GHz
Insertion Loss <sup>*1</sup> :	1.25dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.25 max.
Isolation:	20dB min.
Amplitude Balance:	±0.2dB max.
Phase Balance:	±2° max.
Impedance:	50Ω
Power @SUM Port:	30W max. as divider 2W max. as combiner

[1] Excluding theoretical loss 3dB.

#### Mechanical

Size <sup>*2</sup> (SMA):	60*38*12mm 2.362*1.496*0.472in
Size <sup>*2</sup> (N):	60*42*20mm 2.362*1.654*0.787in
Connectors <sup>*3</sup> :	SMA Female N Female
Mounting:	4-Φ3.2mm through-hole

[2] Exclude connectors.

[3] Female connectors can be replaced with male connectors on request.

#### How To Order

**QPD2-400-6000-30-Y**

Y: Connector type

#### Connector naming rules:

S - SMA Female (Outline A)

N - N Female (Outline B)

#### Examples:

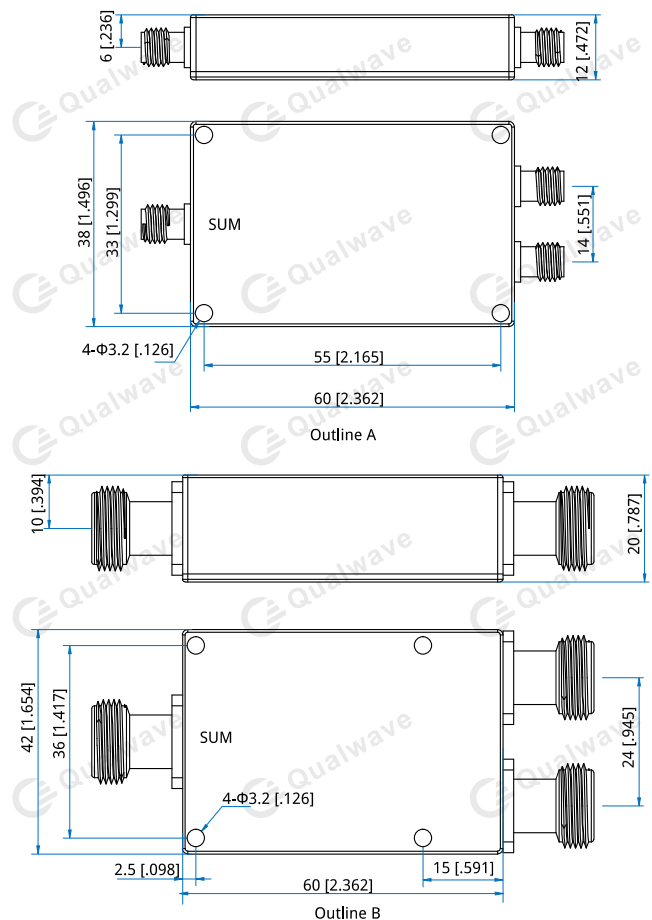
To order a 2-way power divider, 0.4~6GHz, 30W, N female, specify QPD2-400-6000-30-N.

Customization is available upon request.

#### Environmental

Operation Temperature: -35~+75°C

#### Outline Drawings



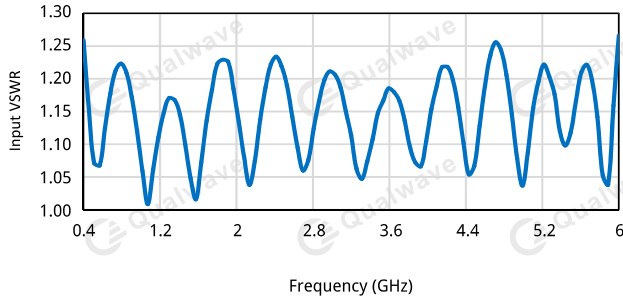
Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

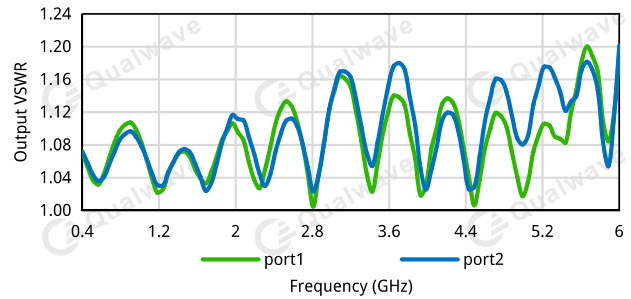
### Typical Performance Curves

#### SMA

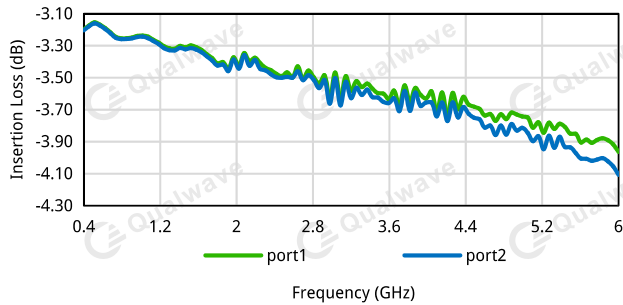
Input VSWR vs. Frequency



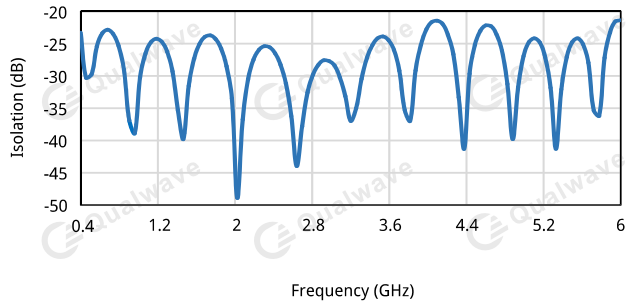
Output VSWR vs. Frequency



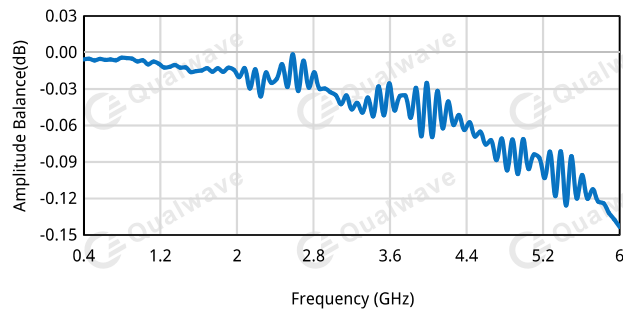
Insertion Loss vs. Frequency



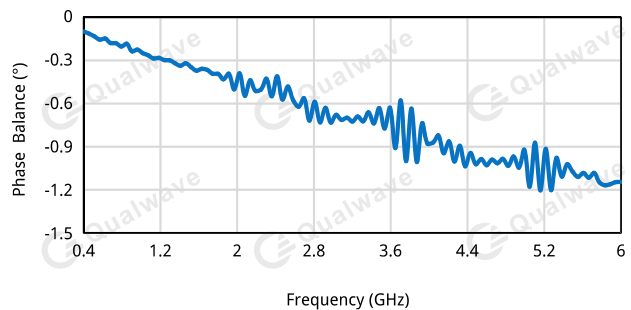
Isolation vs. Frequency



Amplitude Balance vs. Frequency

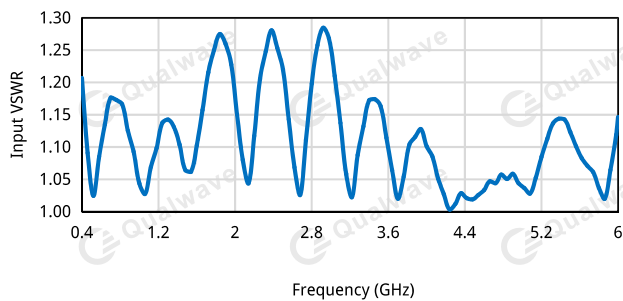


Phase Balance vs. Frequency

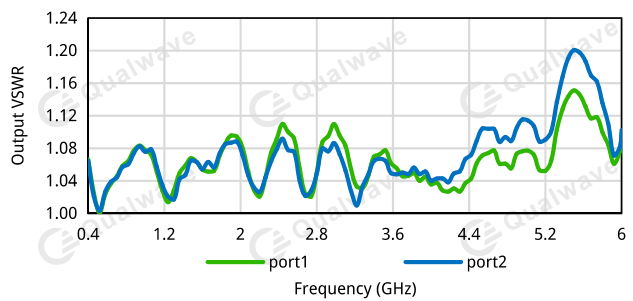


#### N

Input VSWR vs. Frequency

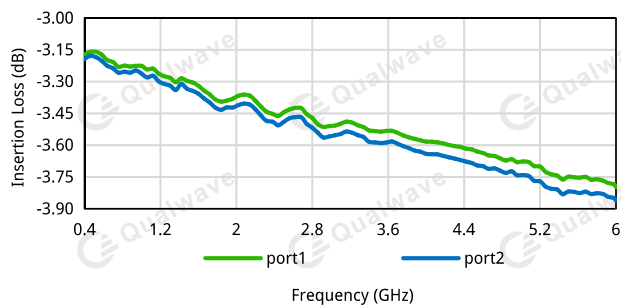


Output VSWR vs. Frequency

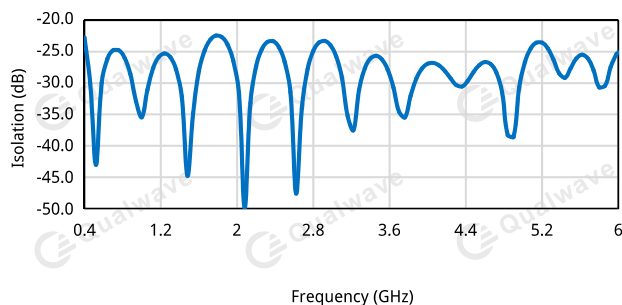


## 2-Way Power Dividers/Combiners

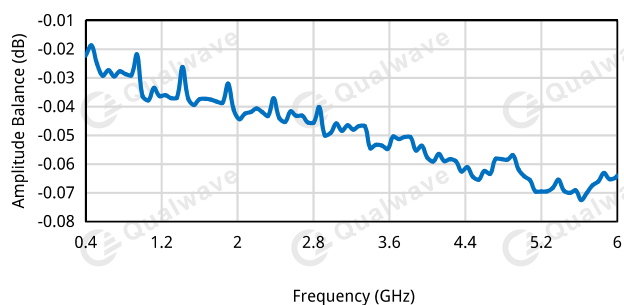
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude Balance vs. Frequency



Phase Balance vs. Frequency

