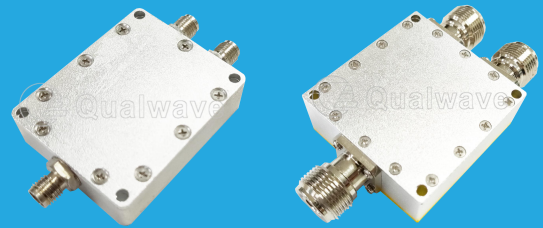


### QPD2-600-6000-30

#### 2-Way, 0.6~6GHz

Features:  
 \* Small Size  
 \* Low Insertion Loss

Applications:  
 \* Amplifiers  
 \* Mixers  
 \* Antennas  
 \* Laboratory Test



#### Electrical

Frequency:	0.6~6GHz
Insertion Loss:	1dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	±0.2dB
Phase Balance:	±2°
Impedance:	50Ω
Power @SUM Port:	30W max. as divider 2W max. as combiner

#### Mechanical

Size <sup>*1</sup> (SMA):	45*36*12mm 1.772*1.417*0.472in
Size <sup>*1</sup> (N):	50*48*20mm 1.969*1.89*0.787in
Connectors <sup>*2</sup> :	SMA Female N Female TNC Female SMP Male

[1] Exclude connectors.

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

#### Environmental

Operating Temperature:	-35~+75°C
Non-operating Temperature:	-45~+85°C

#### How To Order

**QPD2-600-6000-30-Y**

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

N - N Female (Outline B)

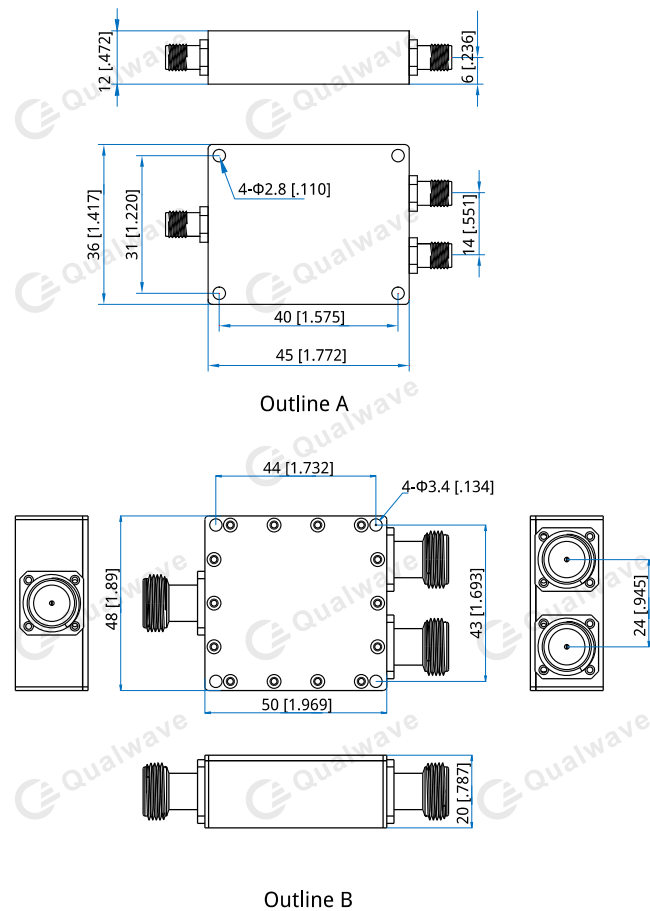
T - TNC Female

P - SMP Male

Examples:

To order a 2-way power divider, 0.6~6GHz, 30W, N female, specify QPD2-600-6000-30-N.

#### Outline Drawings



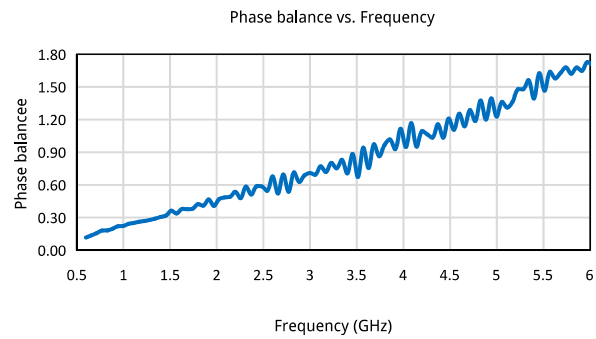
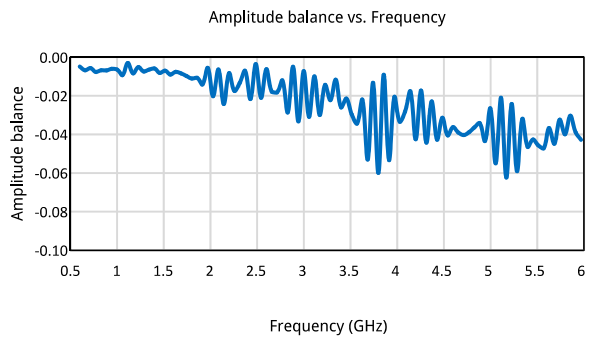
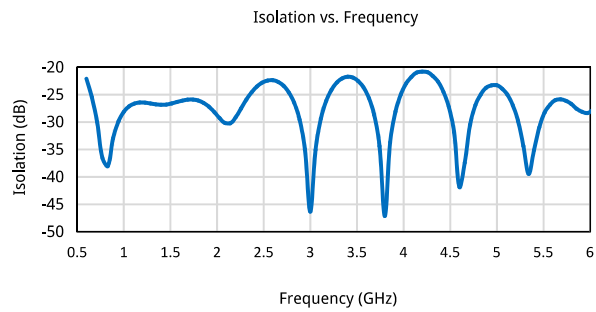
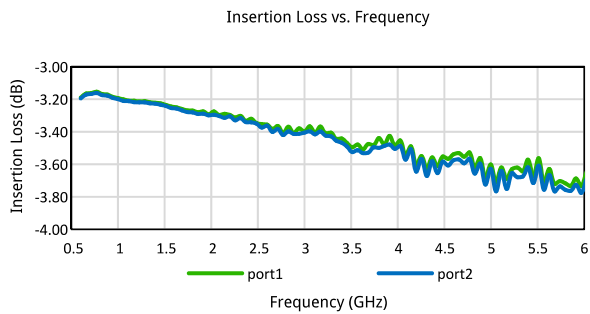
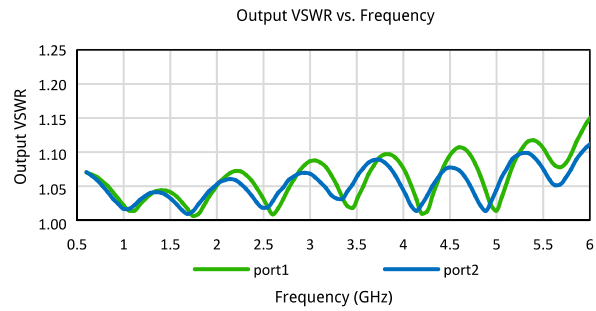
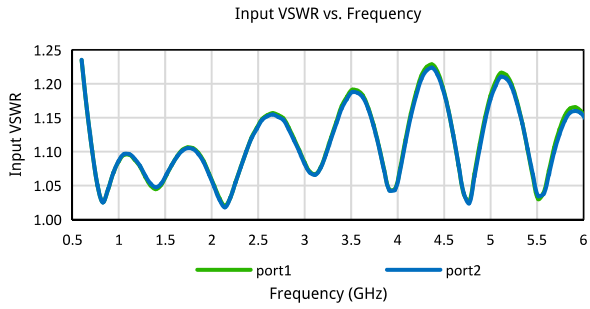
Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

Customization is available upon request.

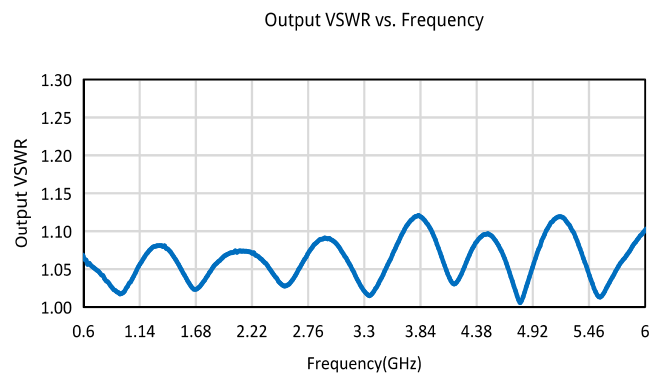
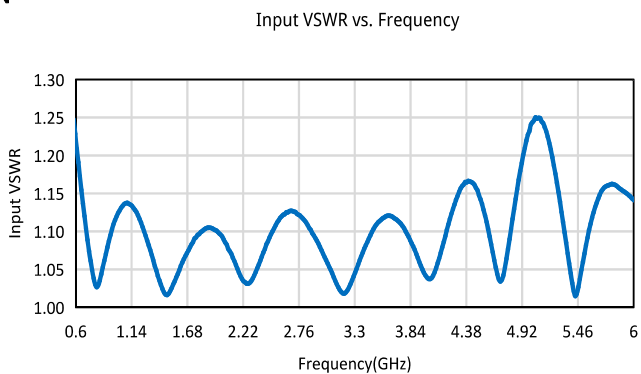
### Typical Performance Curves

#### SMA



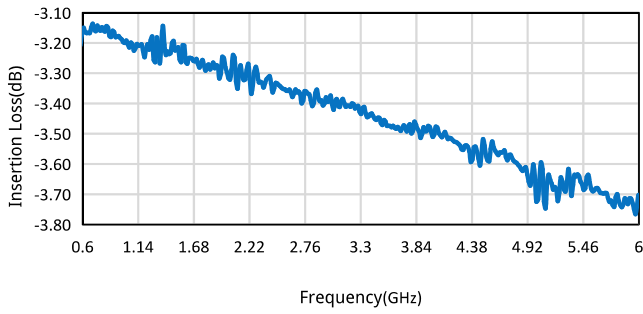
### Typical Performance Curves

#### N

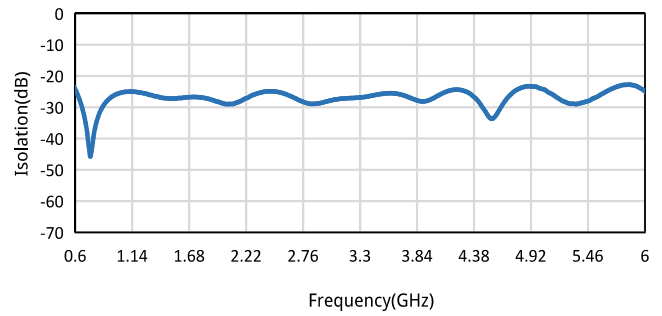


## 2-Way Power Dividers/Combiners

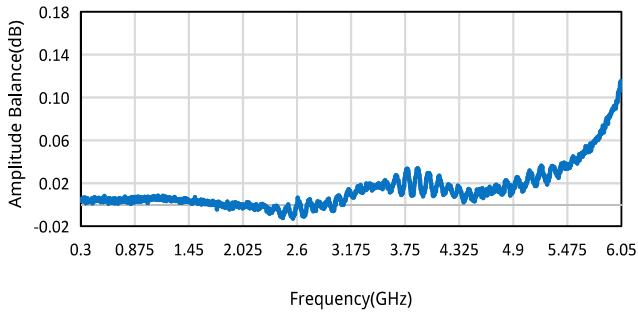
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude Balance vs. Frequency



Phase Balance vs. Frequency

