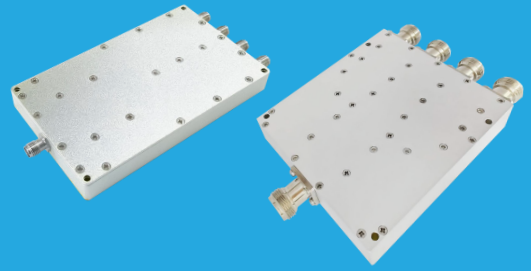


## QPD4-400-6000-30

### 4-Way, 0.4~6GHz

Features:  
 \* Small Size  
 \* Low Insertion Loss

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



### Electrical

Frequency:	0.4~6GHz
Insertion Loss:	2dB max.
Input VSWR:	1.35 max.
Output VSWR:	1.25 max.
Isolation:	20dB min.
Amplitude Balance:	±0.3dB max.
Phase Balance:	±5°
Impedance:	50Ω
Power @SUM Port:	30W max. as divider 2W max. as combiner

### Mechanical

Connectors*1:	SMA Female N Female TNC Female SMP Male
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[1] 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

**QPD4-400-6000-30-Y**

Y: Connector type

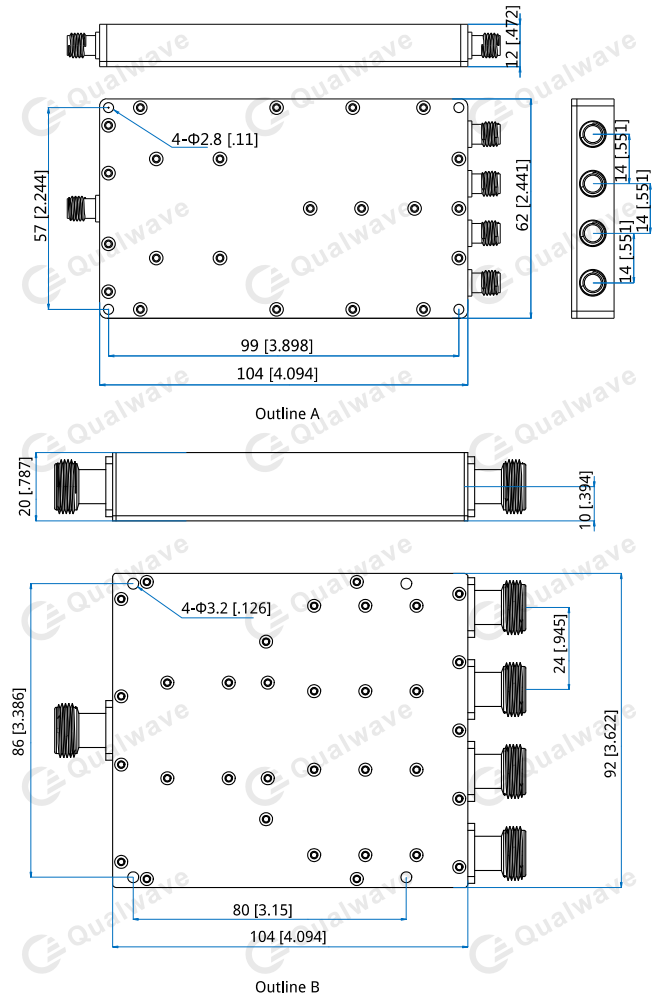
Connector naming rules:  
 S - SMA Female (Outline A)  
 N - N Female (Outline B)  
 T - TNC Female  
 P - SMP Male

Examples:

To order a 4-way power divider, 0.4~6GHz, 30W, N female, specify QPD4-400-6000-30-N.

Customization is available upon request.

### Outline Drawings

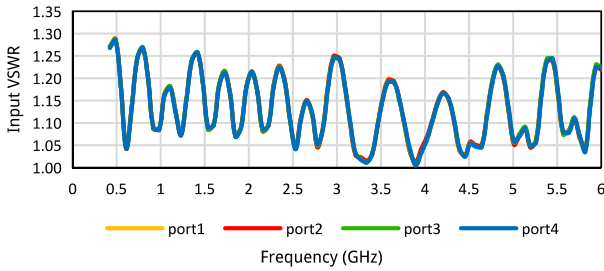


Unit: mm [in]  
 Tolerance: ±0.5mm [±0.02in]

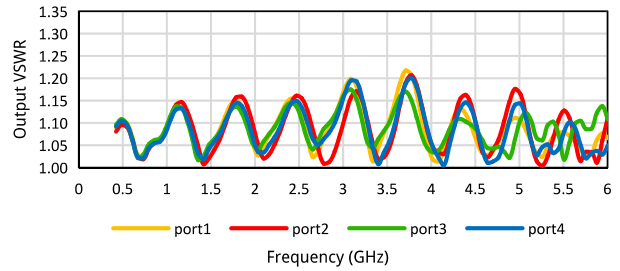
## Typical Performance Curves

### SMA

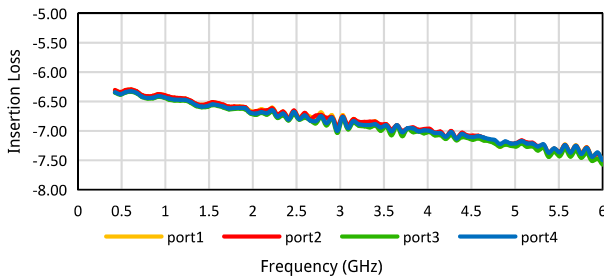
Input VSWR vs. Frequency



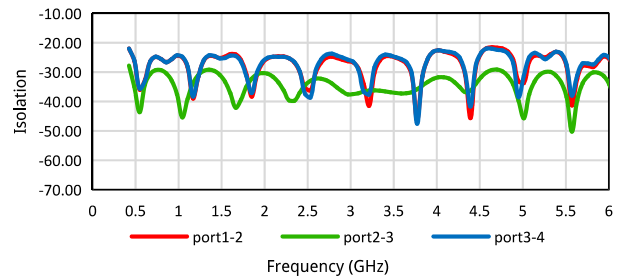
Output VSWR vs. Frequency



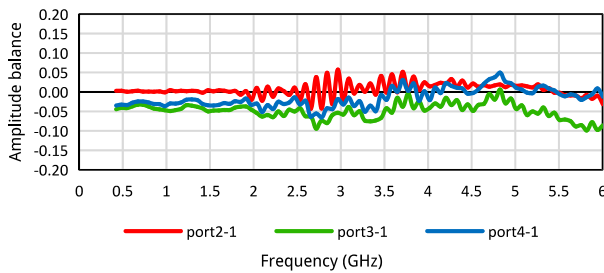
Insertion Loss vs. Frequency



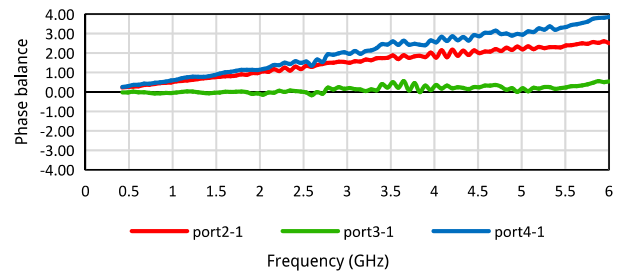
Isolation vs. Frequency



Amplitude balance vs. Frequency

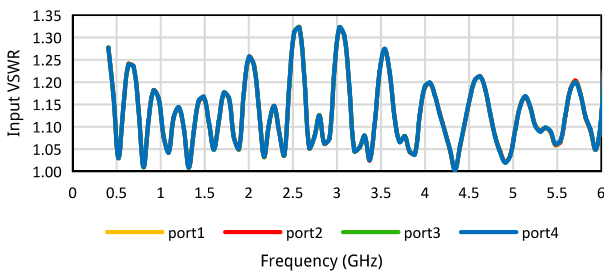


Phase balance vs. Frequency

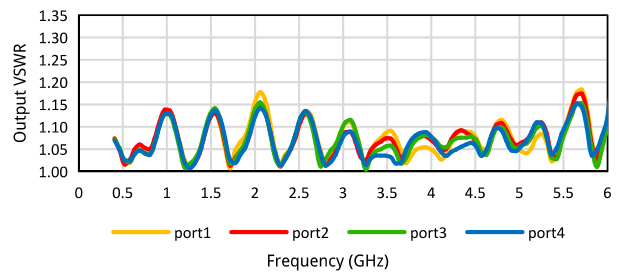


### N

Input VSWR vs. Frequency

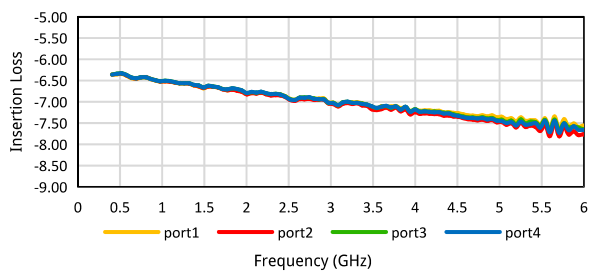


Output VSWR vs. Frequency

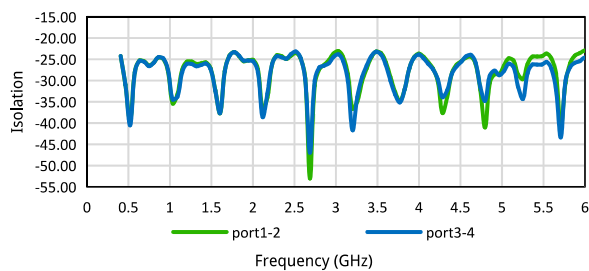


## 4-Way Power Dividers/Combiners

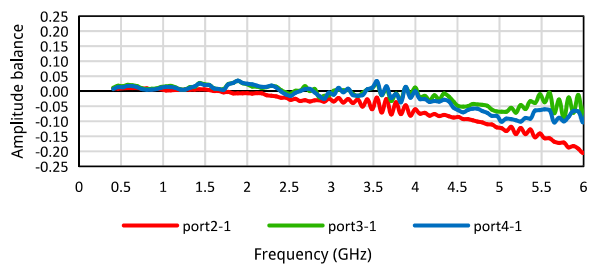
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude balance vs. Frequency



Phase balance vs. Frequency

