

## QPD4-1000-4000-30

### 4-Way, 1~4GHz

Features:  
 \* Small Size  
 \* Low Insertion Loss

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



### Electrical

Frequency:	1~4GHz
Insertion Loss*1:	0.6dB max. (SMA) 0.8dB max. (N)
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	±0.2dB typ.
Phase Balance:	±3° typ.
Impedance:	50Ω
Power @SUM Port:	30W max. as divider 2W max. as combiner

[1] Excluding theoretical loss 6dB.

### Mechanical

Connectors:	SMA Female N Female
Mounting:	4-Φ2.8mm through-hole (SMA) 4-Φ3.2mm through-hole (N)

### Environmental

Operation Temperature: -55~+85°C

### How To Order

QPD4-1000-4000-30-Y

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

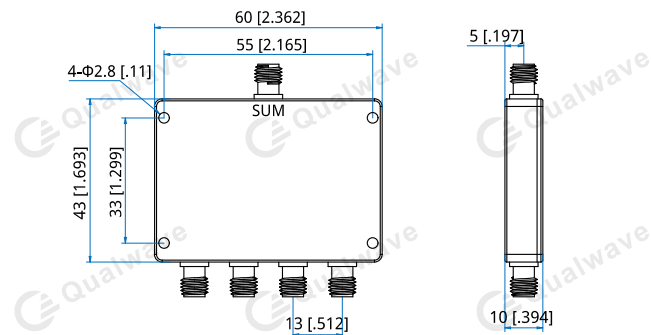
N - N Female (Outline B)

Examples:

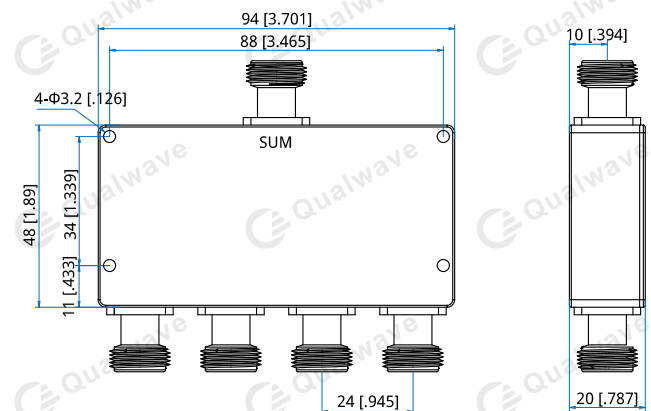
To order a 4-way power divider, 1~4GHz, 30W, N female, specify QPD4-1000-4000-30-N.

Customization is available upon request.

### Outline Drawings



Outline A



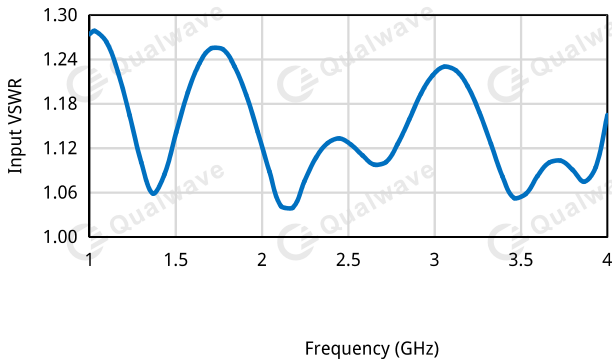
Outline B

Unit: mm [in]

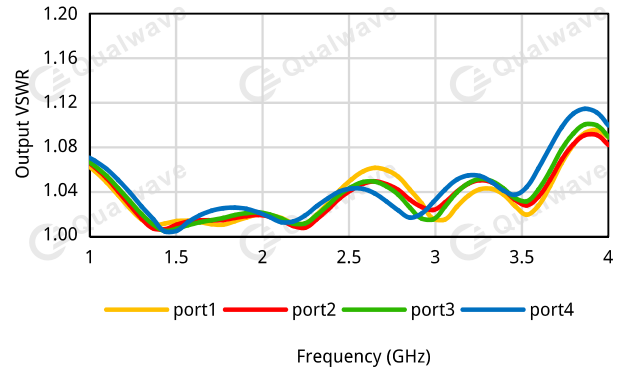
Tolerance: ±0.5mm [±0.02in]

## Typical Performance Curves SMA

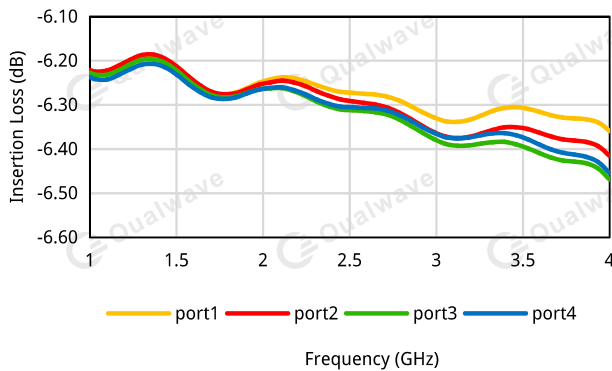
Input VSWR vs. Frequency



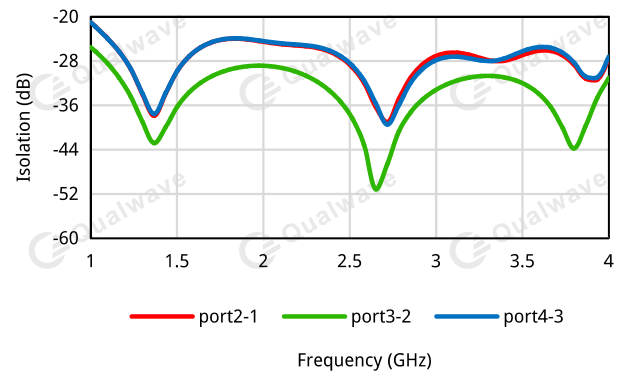
Output VSWR vs. Frequency



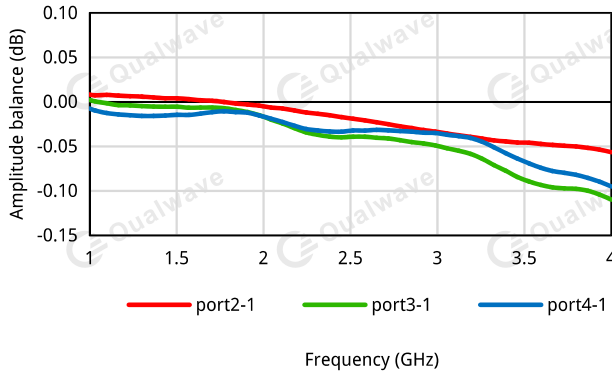
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude balance vs. Frequency



Phase balance vs. Frequency

