

# QPD2-500-8000-30

## 2-Way, 0.5~8GHz, 30W

Features:  
 \* Small Size  
 \* Low Insertion Loss

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



### Electrical

Frequency:	0.5~8GHz
Insertion Loss:	1.2dB max.
Input VSWR:	1.32 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	±0.2dB max.
Phase Balance:	±1°
Impedance:	50Ω
Power @SUM Port:	30W max. as divider 2W max. as combiner

### Mechanical

Size <sup>*1</sup> :	60*35*12mm 2.362*1.378*0.472in
Connectors <sup>*2</sup> :	SMA Female SMP Male
Mounting:	4-Φ3.2mm through-hole

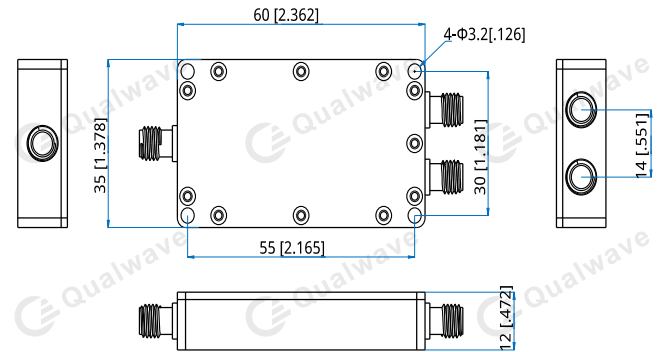
[1] Exclude connectors.

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

### Environmental

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

### Outline Drawings



Outline A

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

### How To Order

**QPD2-500-8000-30-Y**

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

P - SMP Male

Examples:

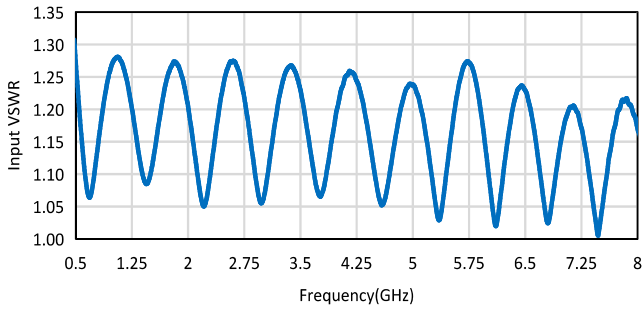
To order a 2-way power divider, 0.5~8GHz, 30W, SMA female, specify QPD2-500-8000-30-S.

Customization is available upon request.

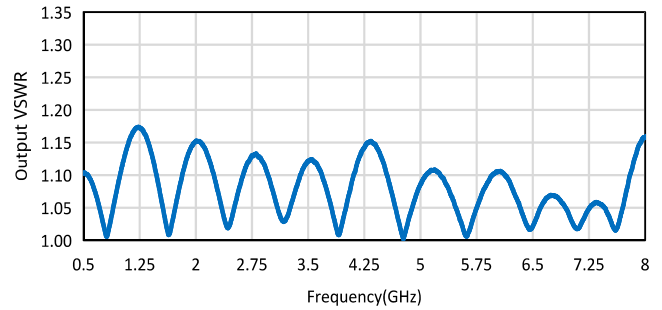
### Typical Performance Curves

#### SMA

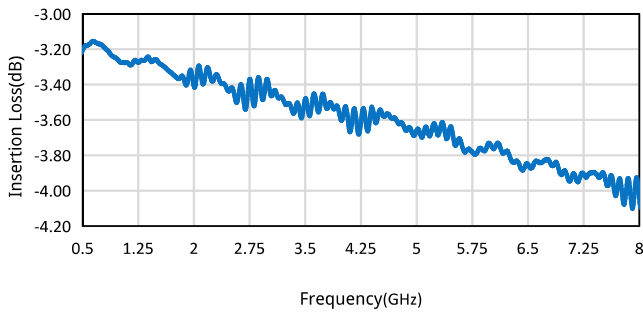
Input VSWR vs. Frequency



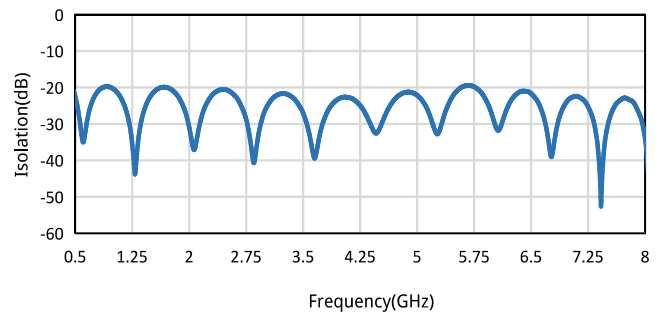
Output VSWR vs. Frequency



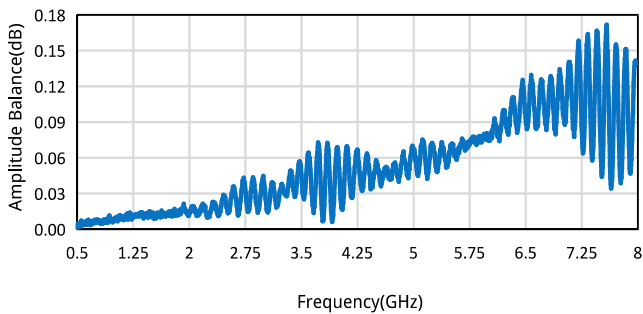
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude Balance vs. Frequency



Phase Balance vs. Frequency

