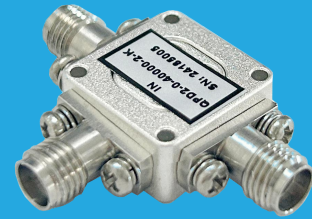


### QPD2-0-40000-2

DC~40GHz, 2W

**Features:**  
 \* Small Size  
 \* Low Insertion Loss

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



#### Electrical

Frequency: DC~40GHz  
 Impedance: 50Ω  
 Power @SUM Port: 2W as divider

Model	Insertion Loss*1 (dB max.)	Input VSWR (max.)	Output VSWR (max.)	Isolation (dB min.)
QPD2-0-40000-2-K	2	1.4	2.0	10
QPD2-0-40000-2-K-1	2	1.6	1.6	5.5

[1] Excluding theoretical loss 6.0dB.

#### Mechanical

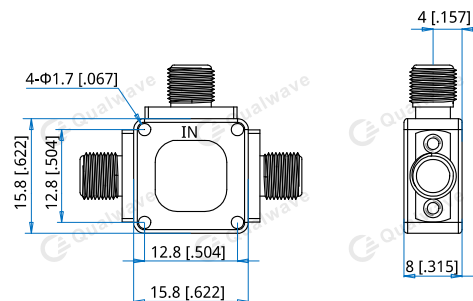
Size\*2: 15.8\*15.8\*8mm  
 0.622\*0.622\*0.315in  
 Connectors: 2.92mm Female  
 Mounting: 4-Φ1.7mm through-hole

[1] Exclude connectors.

#### Environmental

Operating Temperature: -40~+85°C  
 Non-operating Temperature: -55~+100°C

#### Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

#### How To Order

**QPD2-0-40000-2-X**

X: Connector type

Connector naming rules:

K - 2.92mm Female, Consists of two 50Ω resistors

K-1 - 2.92mm Female, Consists of three 16 2/3Ω resistors

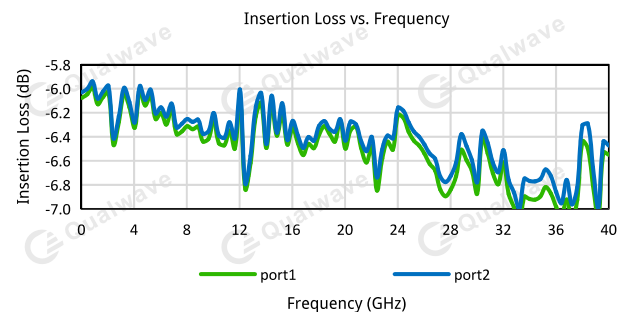
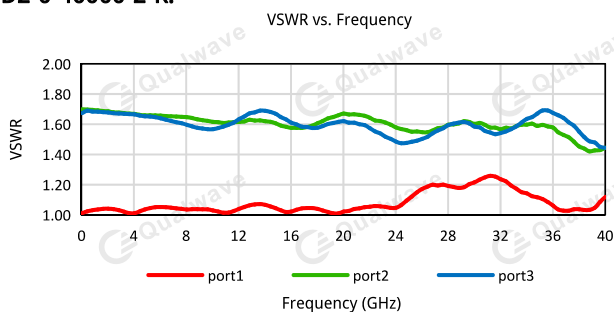
Examples:

To order a 2-way power divider, 0~40GHz, 2W, 2.92mm female, Consists of two 50Ω resistors, specify QPD2-0-40000-2-K.

Customization is available upon request.

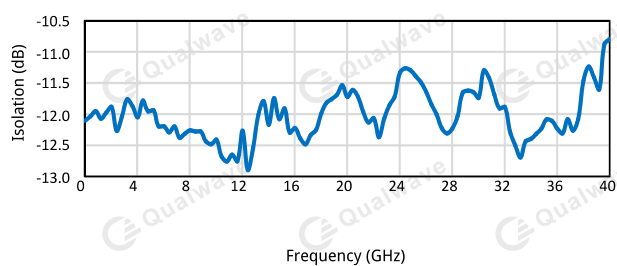
#### Typical Performance Curves

**QPD2-0-40000-2-K:**

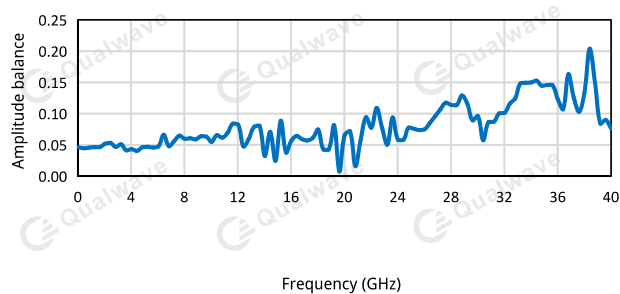


## 2-Way Resistive Power Divider

Isolation vs. Frequency



Amplitude balance vs. Frequency



Phase balance vs. Frequency

