

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
Average Power: 2W

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

[1] Excluding theoretical loss 6.0dB.

Mechanical

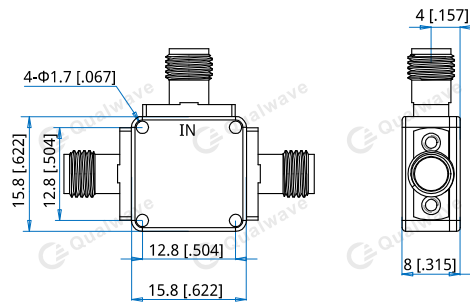
Size*2: 15.8*15.8*8mm
0.622*0.622*0.315in
Connectors: 2.92mm Female (Removable)
Mounting: 4-Φ1.7mm through-hole

[2] 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

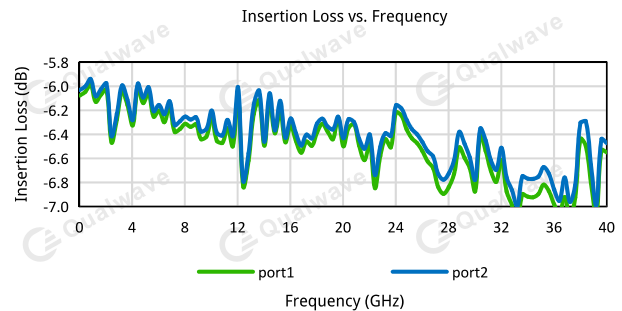
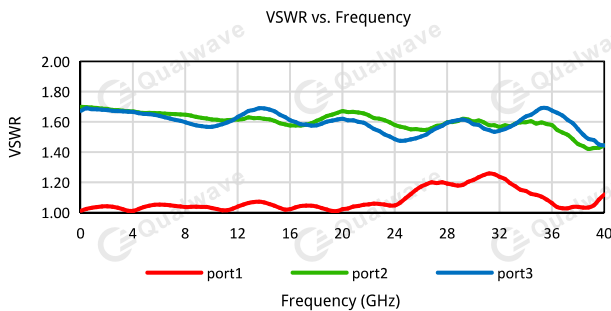
Examples:

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.

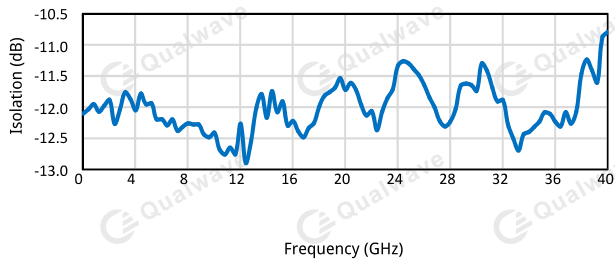
Typical Performance Curves

QPD2-0-40000-2-K

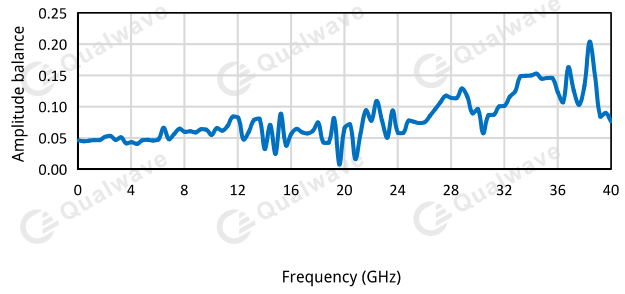


2-Way Resistive Power Divider

Isolation vs. Frequency



Amplitude balance vs. Frequency



Phase balance vs. Frequency

