

QPD2-5-1000-1

2-Way, 0.005~1GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test



Electrical

Frequency:	0.005~1GHz
Insertion Loss:	0.9dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.35 max.
Isolation:	19dB min.
Amplitude Balance:	±0.3dB max.
Phase Balance:	±2°
Impedance:	50Ω
Average Power:	1W max. 0.5W max. as combiner

Mechanical

Size ^{*1} (SMA):	28*28*12.7mm 1.102*1.102*0.512in
Size ^{*1} (N):	42*28*20mm 1.654*1.102*0.787in
Connectors ^{*2} :	SMA Female N Female TNC Female SMP Male
Mounting:	2-Φ2.8mm through-hole (SMA) 4-Φ2.2mm through-hole (N)

[1] Exclude connectors.

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

Environmental

Operating Temperature:	-35~+75°C
Storage temperature:	-45~+85°C

How To Order

QPD2-5-1000-1-Y

Y: Connector type

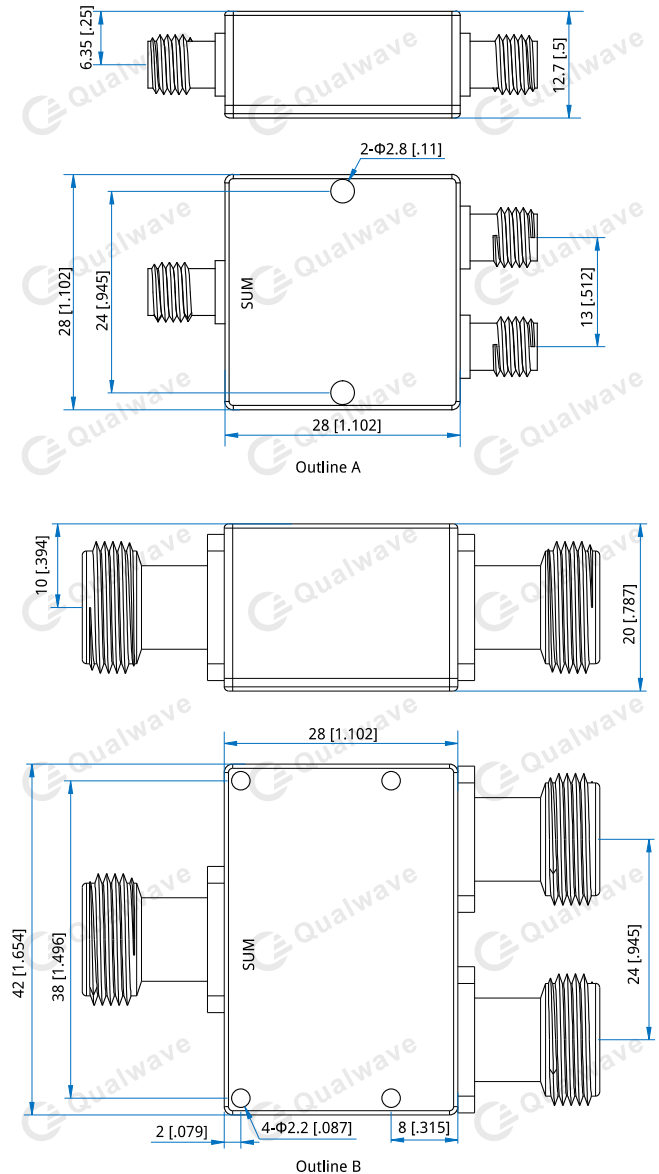
Connector naming rules:

- S - SMA Female (Outline A)
- N - N Female (Outline B)
- T - TNC Female
- P - SMP Male

Examples:

To order a 2-way power divider, 0.005~1GHz, 1W, N female, specify QPD2-5-1000-1-N.

Outline Drawings



Unit: mm [in]

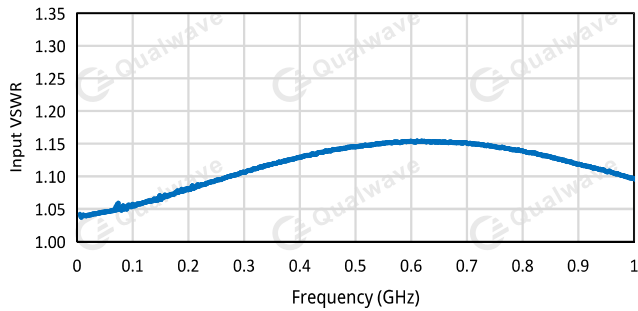
Tolerance: ±0.5mm [±0.02in]

Customization is available upon request.

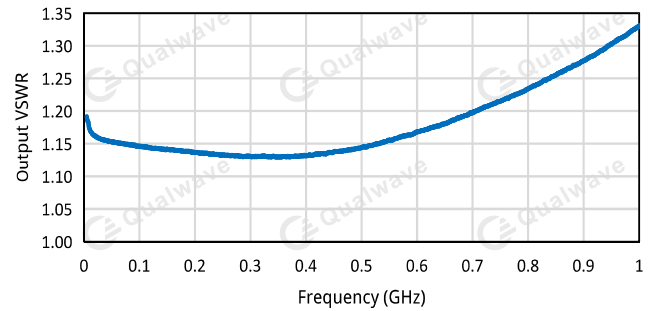
Typical Performance Curves

SMA

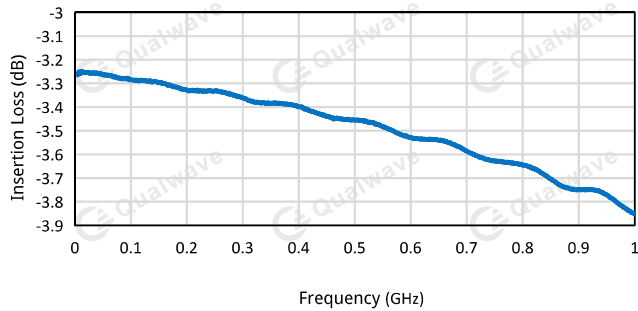
Input VSWR vs. Frequency



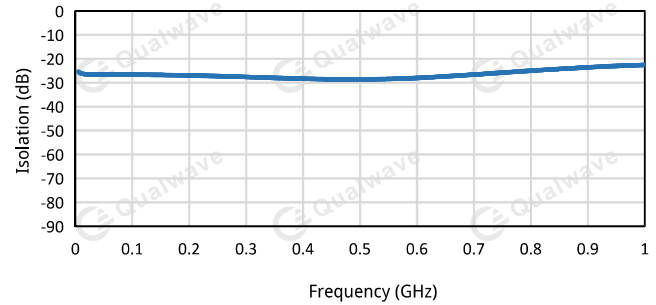
Output VSWR vs. Frequency



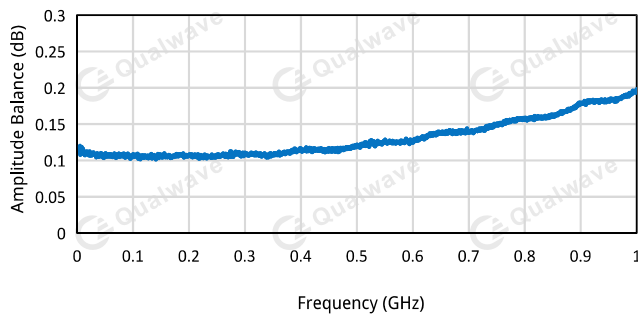
Insertion Loss vs. Frequency



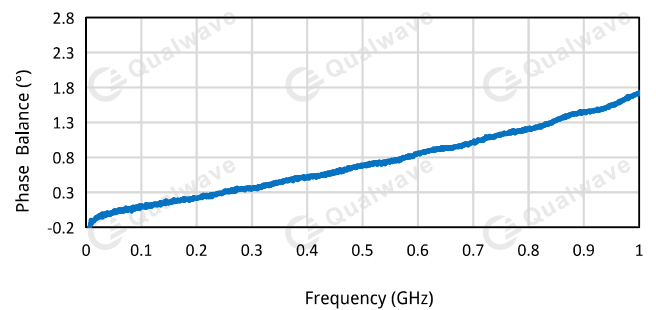
Isolation vs. Frequency



Amplitude Balance vs. Frequency

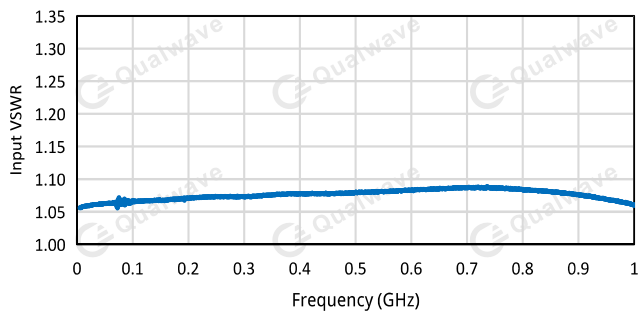


Phase Balance vs. Frequency

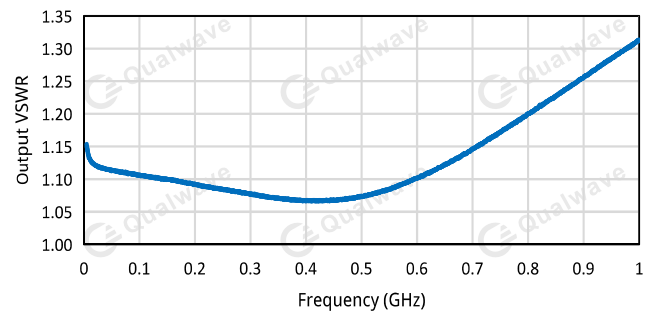


N

Input VSWR vs. Frequency

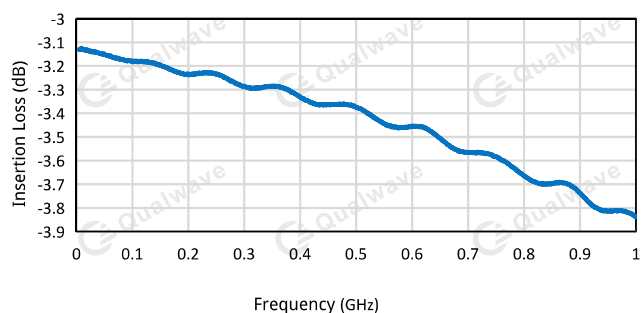


Output VSWR vs. Frequency

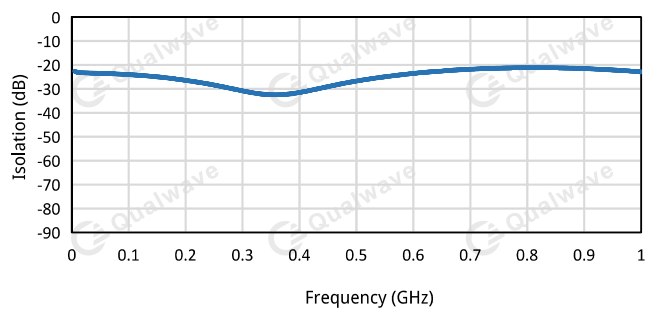


2-Way Power Dividers/Combiners

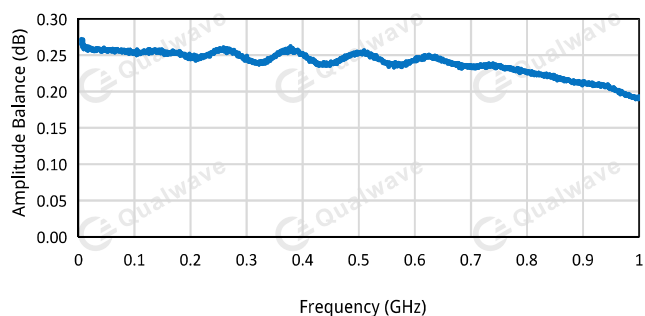
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude Balance vs. Frequency



Phase Balance vs. Frequency

