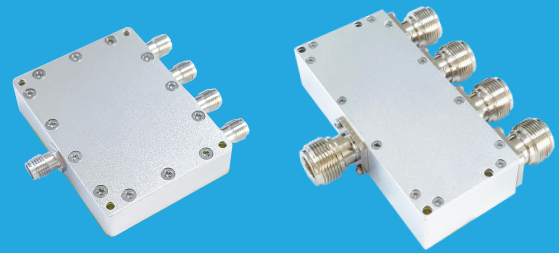


QPD4-5-1000-1

4-Way, 0.005~1GHz

Features:
 * Small Size
 * Low Insertion Loss

Applications:
 * Amplifiers
 * Mixers
 * Antennas
 * Laboratory Test



Electrical

Frequency:	0.005~1GHz
Insertion Loss:	2dB max.
Input VSWR:	1.2 max (SMA) 1.25 max (N)
Output VSWR:	1.4 max (SMA) 1.5 max (N)
Isolation:	16dB min.
Amplitude Balance:	±0.2dB max.
Phase Balance:	±1°
Impedance:	50Ω
Average Power:	1W max. 0.5W max. as combiner

Mechanical

Size ^{*1} (SMA):	54*40*12mm 1.126*1.575*0.472in
Size ^{*1} (N):	90*40*20mm 3.543*1.575*0.787in
Connectors ^{*2} :	SMA Female N Female TNC Female SMP Male

[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

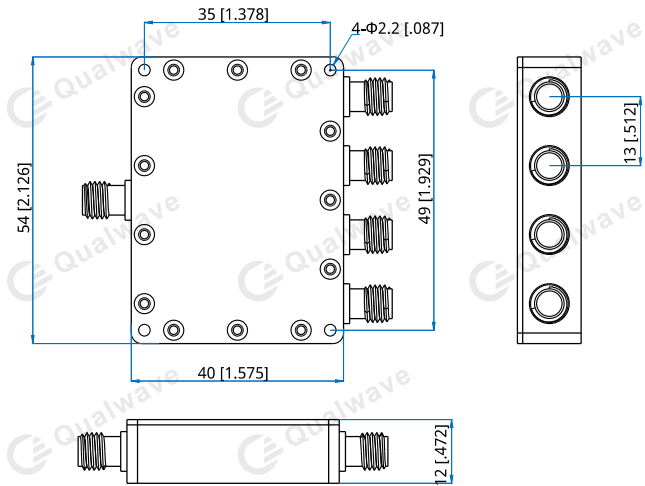
QPD4-5-1000-1-Y

Y: Connector type

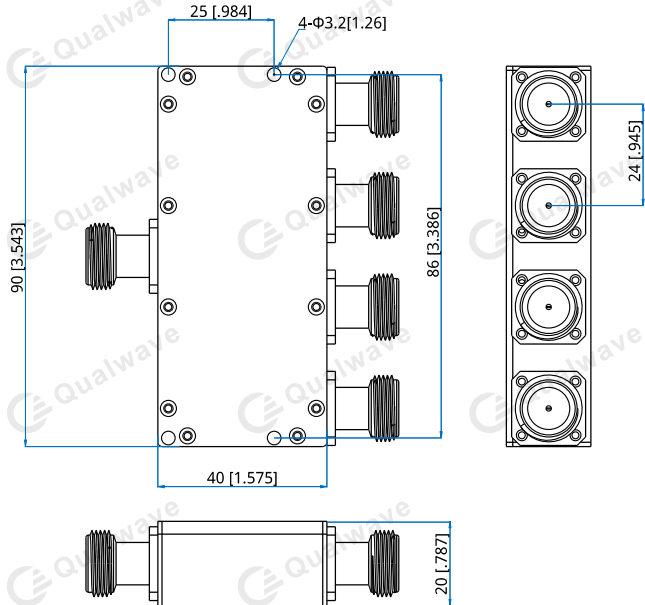
Connector naming rules:
 S - SMA Female (Outline A)
 N - N Female (Outline B)
 T - TNC Female
 P - SMP Male

Examples:
 To order a 4-way power divider, 0.005~1GHz, 1W, N female, specify QPD4-5-1000-1-N.

Outline Drawings



Outline A



Outline B

Unit: mm [in]
 Tolerance: ±0.5mm [±0.02in]

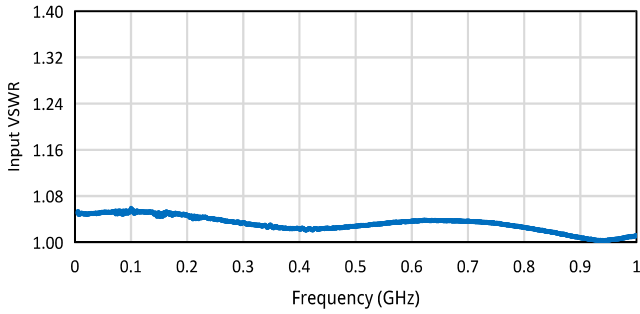
Customization is available upon request.

2-Way Power Dividers/Combiners

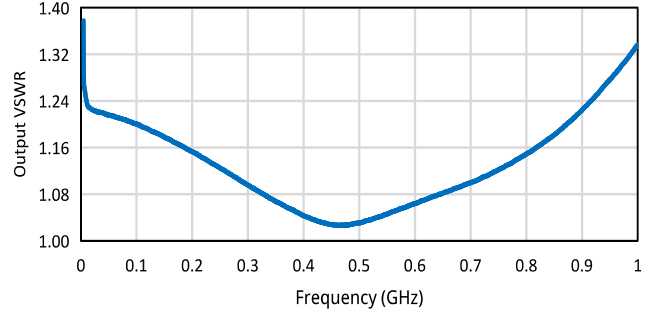
Typical Performance Curves

SMA

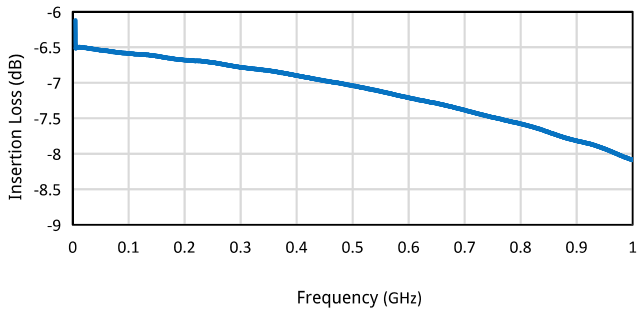
Input VSWR vs. Frequency



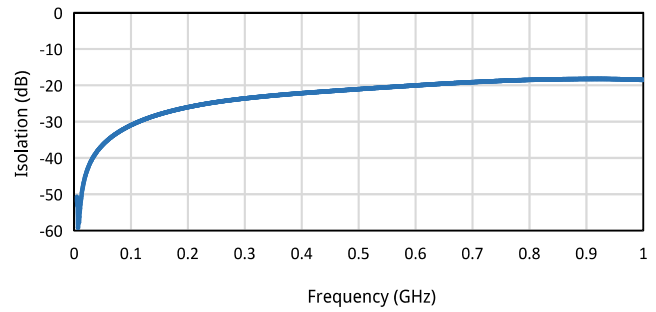
Output VSWR vs. Frequency



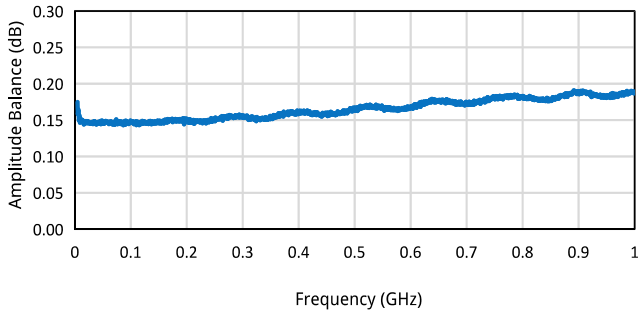
Insertion Loss vs. Frequency



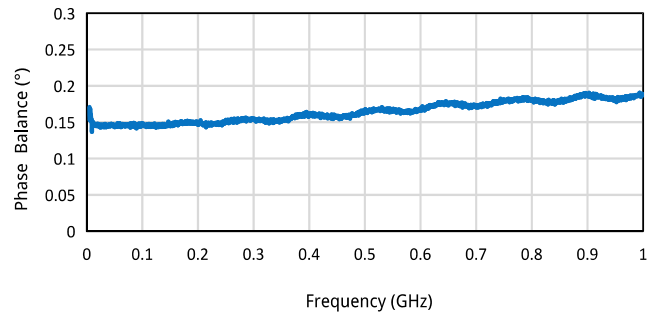
Isolation vs. Frequency



Amplitude Balance vs. Frequency

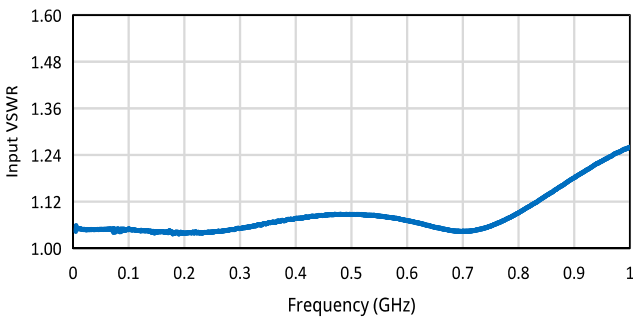


Phase Balance vs. Frequency

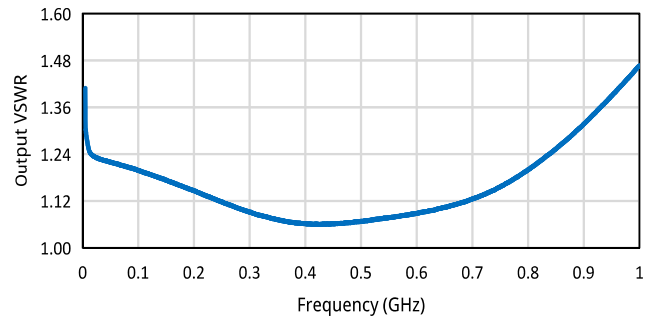


N

Input VSWR vs. Frequency

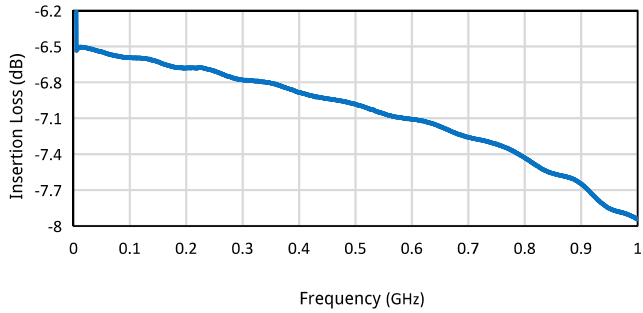


Output VSWR vs. Frequency

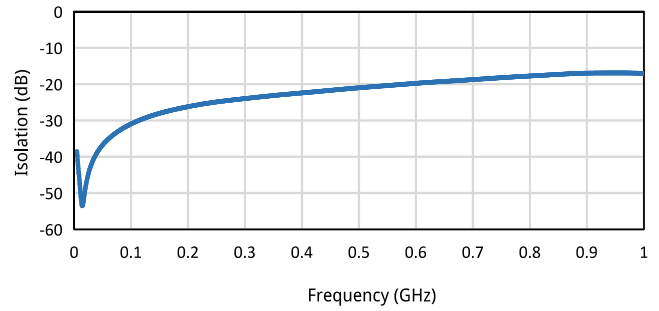


2-Way Power Dividers/Combiners

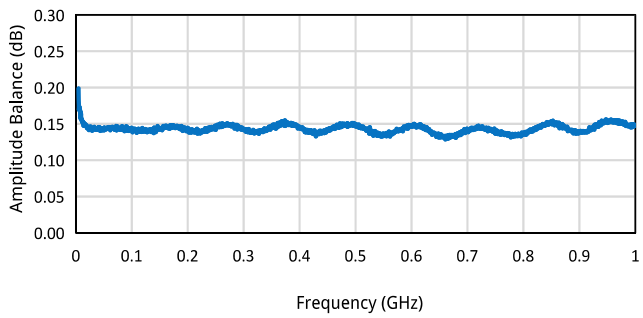
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude Balance vs. Frequency



Phase Balance vs. Frequency

