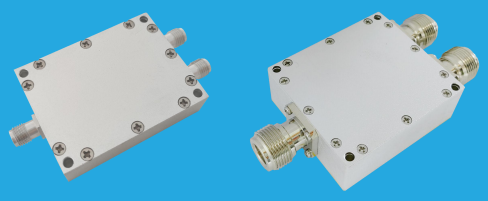
QPD2-500-6000-30

2-Way, 0.5~6GHz



Features:
* Small Size
* Low Insertion Loss

Applications:
* Amplifiers
* Mixers
* Antennas
* Laboratory Test

Electrical

Frequency:	0.5~6GHz
Insertion Loss[*1]:	1.1dB max. (SMA)
	1.2dB max. (N)
Input VSWR:	1.25 max.
Output VSWR:	1.25 max.
Isolation:	20dB min.
Amplitude Balance:	±0.1dB
Phase Balance:	±1°
Impedance:	50Ω
Power @SUM Port:	30W max. as divider
	2W max. as combiner

[1] Excluding theoretical loss 3.0dB.

Mechanical

Connectors[*2]:	SMA Female
	N Female
	TNC Female
	SMP Male
Mounting:	4-Φ2.8mm through-hole (SMA)
Mounting:	4-Φ3.2mm through-hole (N)

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

Environmental

Operation Temperature:	-35~+75℃

How To Order

QPD2-500-6000-30-Y

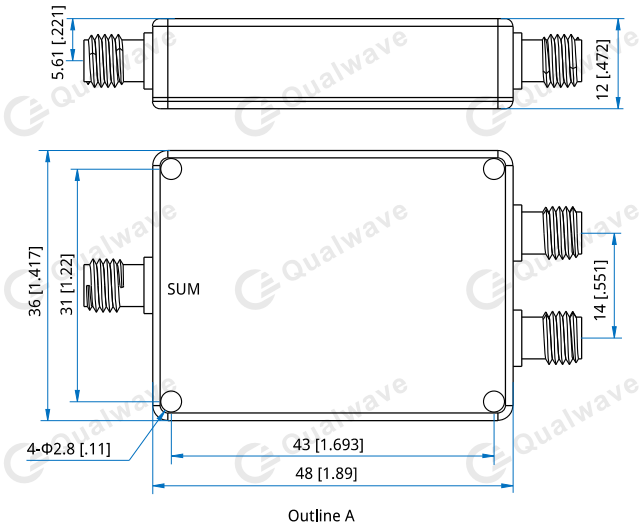
Y: Connector type

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

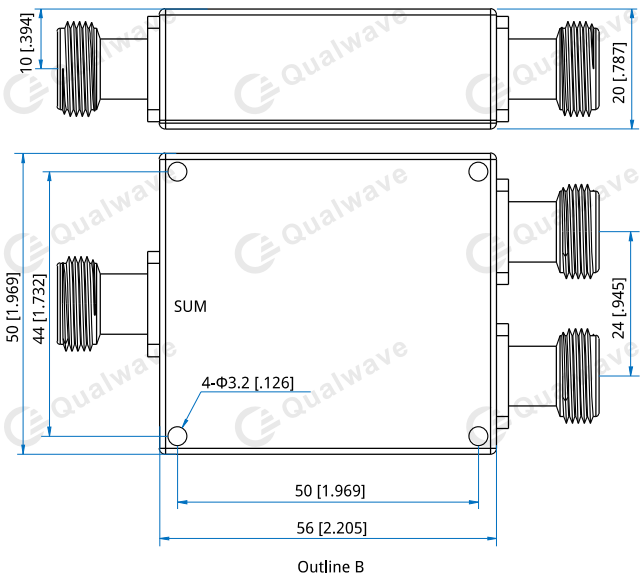
Examples:
To order a 2-way power divider, 0.5~6GHz, 30W, N female, specify QPD2-500-6000-30-N.

Customization is available upon request.

Outline Drawings



Outline A



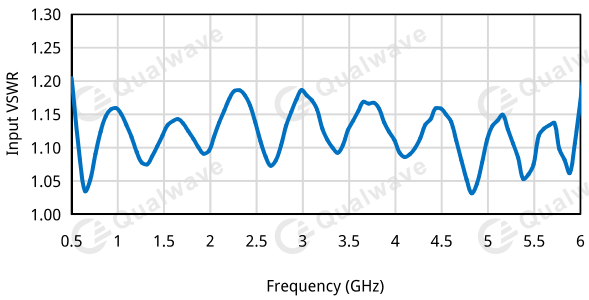
Outline B

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

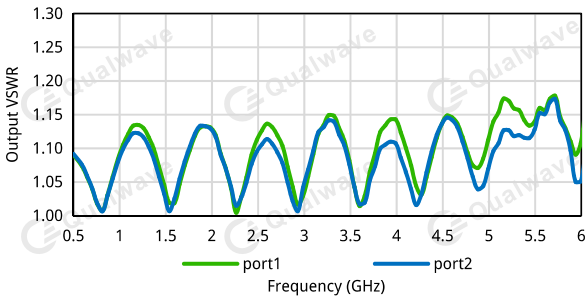
Typical Performance Curves

SMA

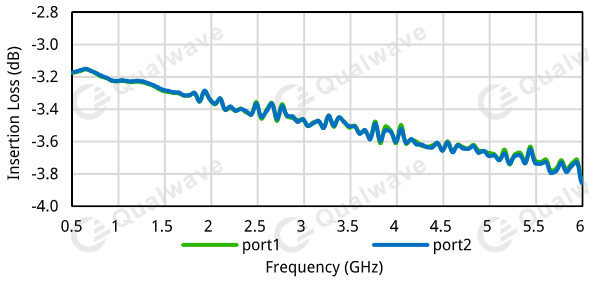
Input VSWR vs. Frequency



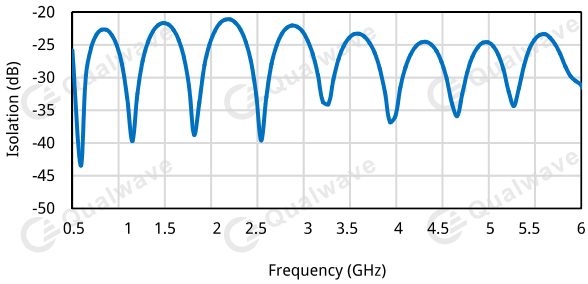
Output VSWR vs. Frequency



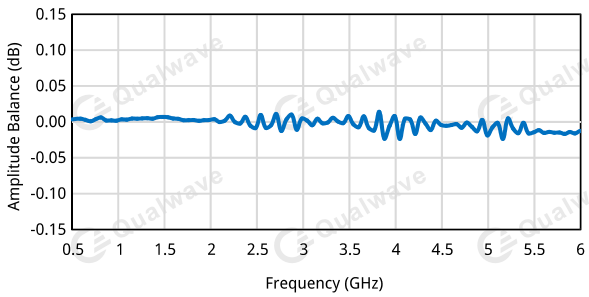
Insertion Loss vs. Frequency



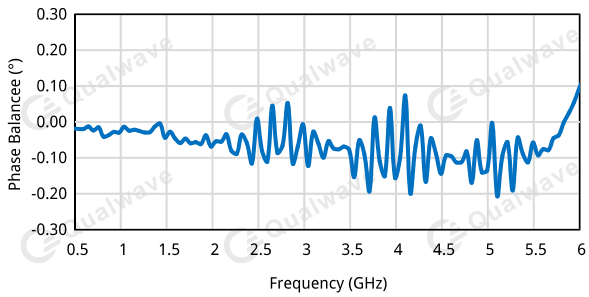
Isolation vs. Frequency



Amplitude Balance vs. Frequency

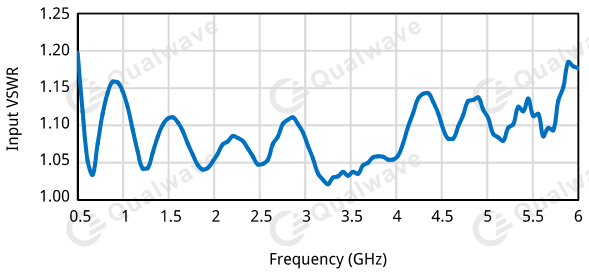


Phase Balance vs. Frequency

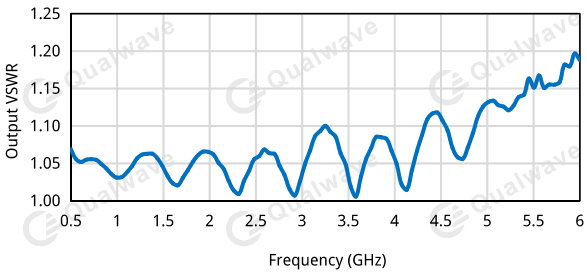


N

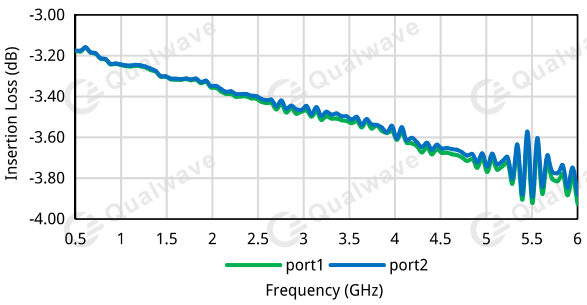
Input VSWR vs. Frequency



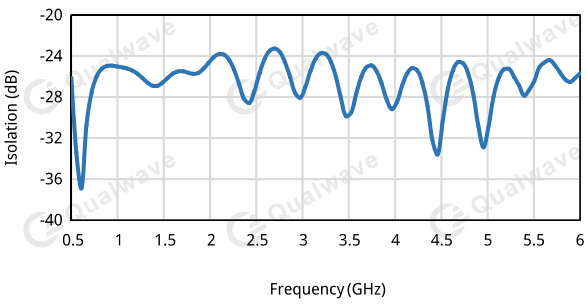
Output VSWR vs.Frequency



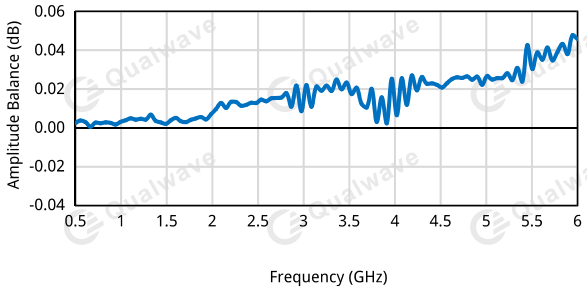
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude Balance vs. Frequency



Phase Balance vs. Frequency