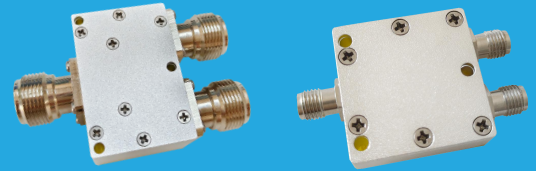


QPD2-2000-8000-30

2-Way, 2~8GHz

Features:
 * Small Size
 * Low Insertion Loss

Applications:
 * Amplifiers
 * Mixers
 * Antennas
 * Laboratory Test



Electrical

Frequency:	2~8GHz
Insertion Loss:	0.6dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.25 max.
Isolation:	20dB min.
Amplitude Balance:	±0.2dB max.
Phase Balance:	±2°
Impedance:	50Ω
Power @SUM Port:	30W max.as divider 2W max. as combiner

Mechanical

Size* ¹ (SMA):	28*28*10mm 1.102*1.102*0.394in
(N):	43*29*20mm 1.693*1.42*0.787in
Connectors* ² :	SMA Female N Female TNC Female SMP Male
Mounting	3-Φ2.7mm through-hole (SMA) 3-Φ3.2mm through-hole (N)

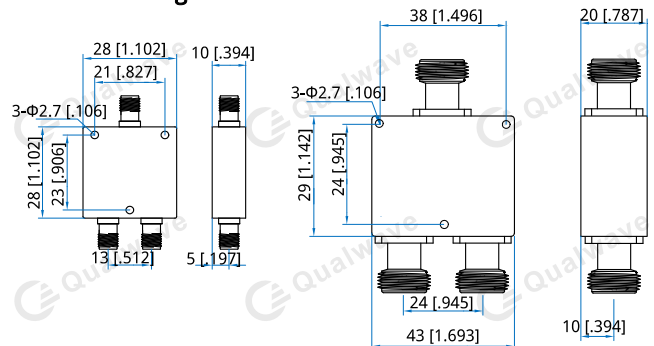
[1] Exclude connectors.

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

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Outline A

Outline B

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

QPD2-2000-8000-30-Y

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

N - N Female (Outline B)

T - TNC Female

P - SMP Male

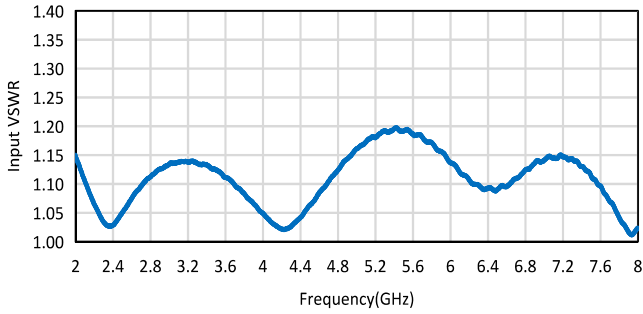
Examples:

To order a 2-way power divider, 2~8GHz, 30W, N female, specify QPD2-2000-8000-30-N.

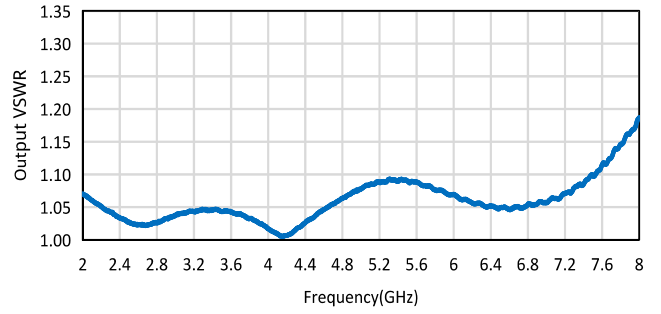
Customization is available upon request.

Typical Performance Curves

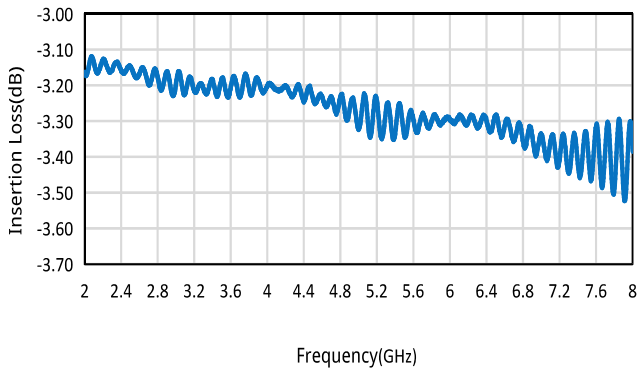
Input VSWR vs. Frequency



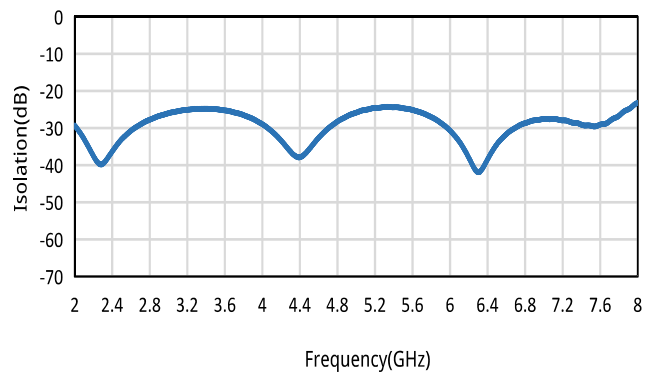
Output VSWR vs. Frequency



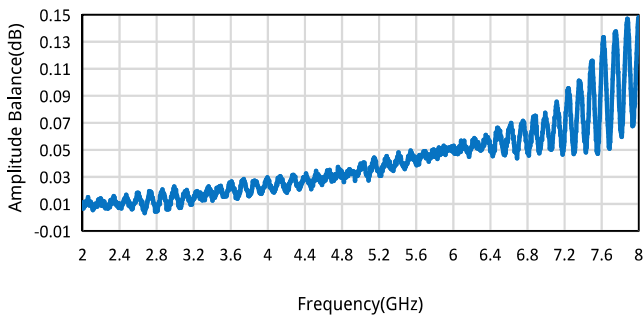
Insertion Loss vs. Frequency



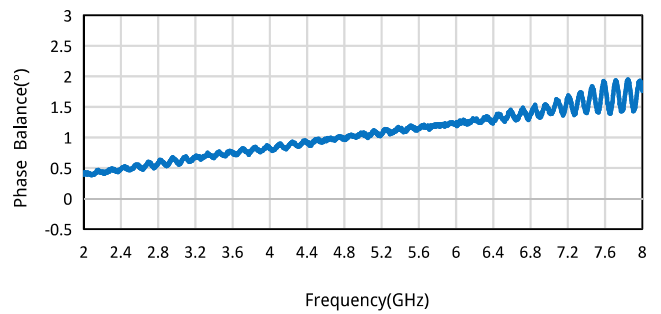
Isolation vs. Frequency



Amplitude Balance vs. Frequency



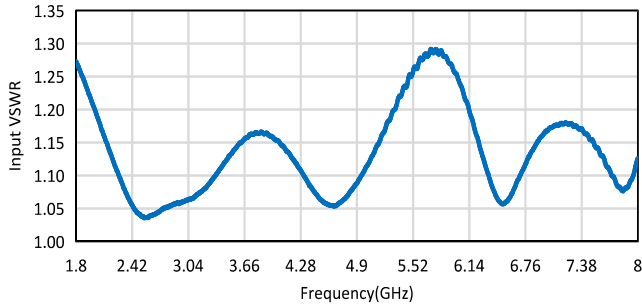
Phase Balance vs. Frequency



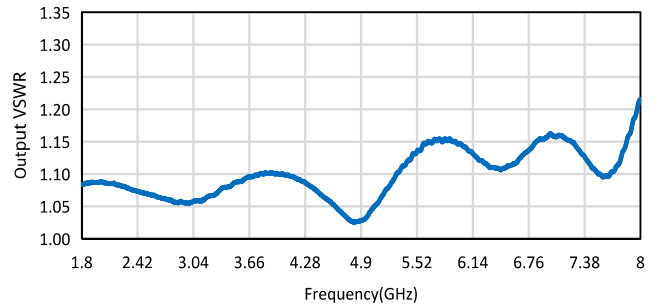
Typical Performance Curves

N

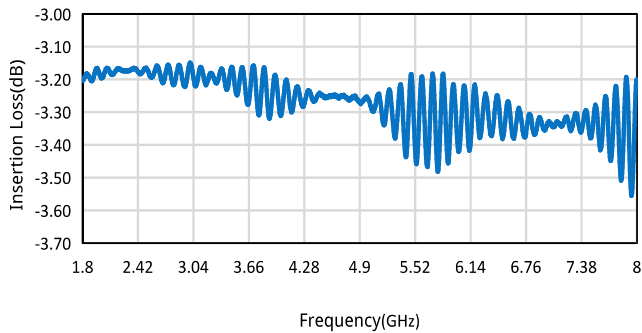
Input VSWR vs. Frequency



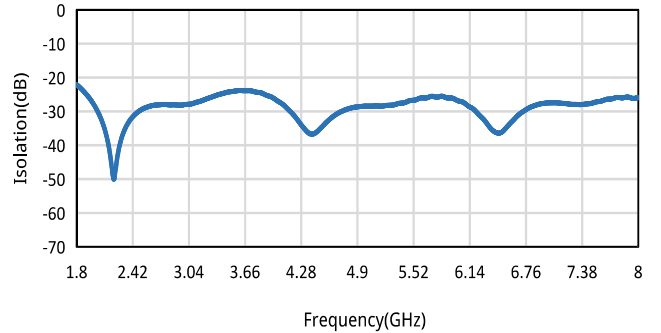
Output VSWR vs. Frequency



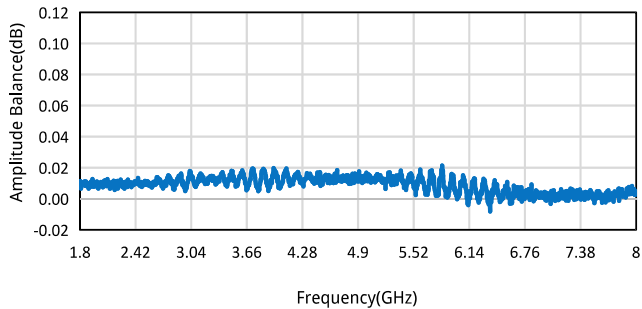
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude Balance vs. Frequency



Phase Balance vs. Frequency

