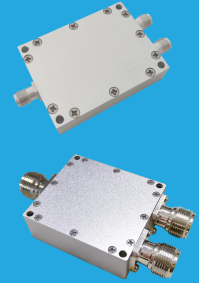


QPD2-500-6000

2-Way, 0.5~6GHz

Features:
 * Small Size
 * Low Insertion Loss

Applications:
 * Amplifiers
 * Mixers
 * Antennas
 * Laboratory Test



Electrical

Frequency:	0.5~6GHz
Insertion Loss:	1.1dB max. (SMA) 1.2dB max. (N)
Input VSWR:	1.25 max.
Output VSWR:	1.25 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	±3°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

Mounting:	4-Φ2.8mm through-hole (SMA)
Mounting:	4-Φ3.2mm through-hole (N)

Environmental

Operation Temperature: -35~+75°C

How To Order

QPD2-500-6000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

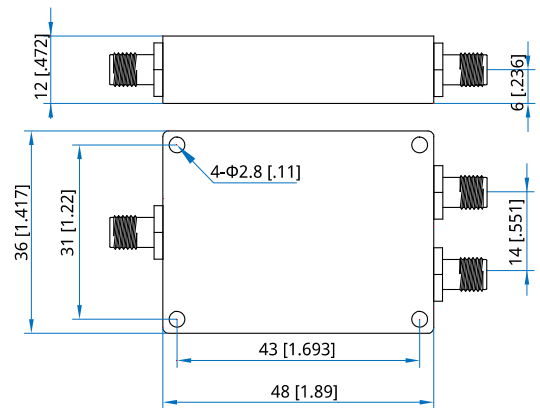
N - N Female (Outline B)

Examples:

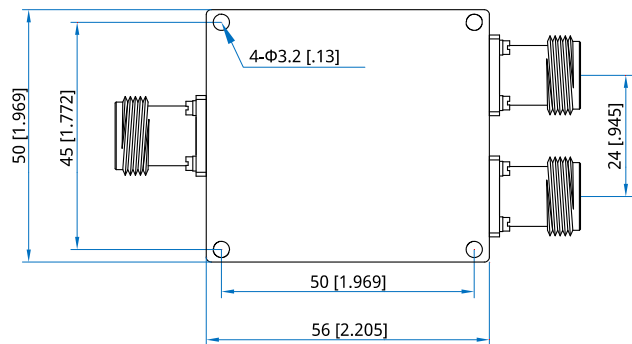
To order a 2-way power divider, 0.5~6GHz, 30W, N female, specify QPD2-500-6000-30-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

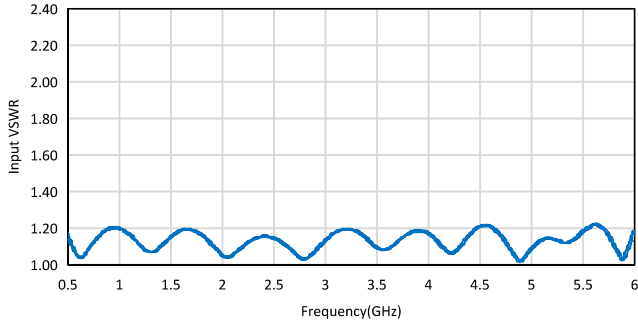
Unit: mm [in]
 Tolerance: ±0.5mm [±0.02in]

2-Way Power Dividers/Combiners

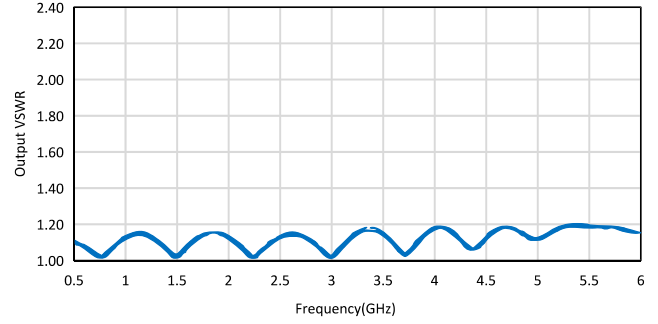
Typical Performance Curves

SMA

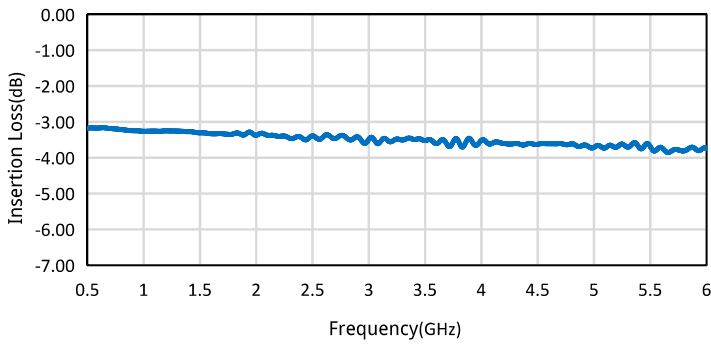
Input VSWR vs. Frequency



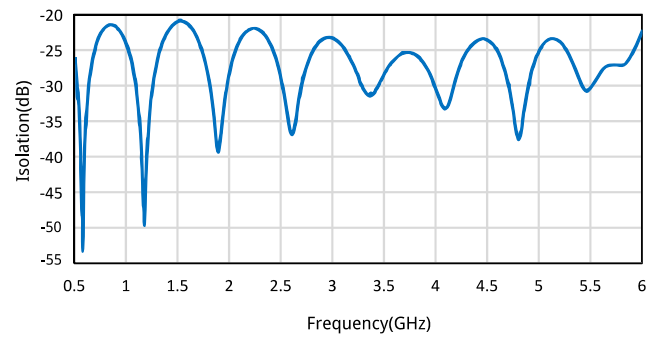
Output VSWR vs. Frequency



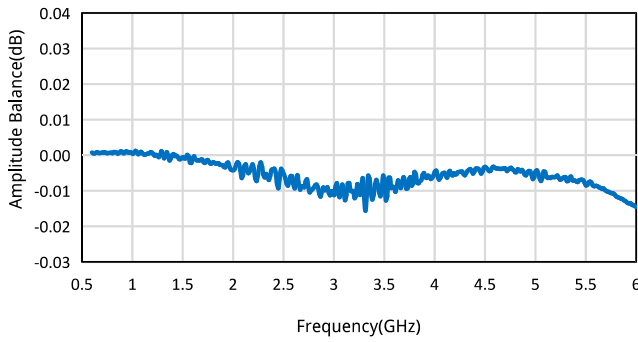
Insertion Loss vs. Frequency



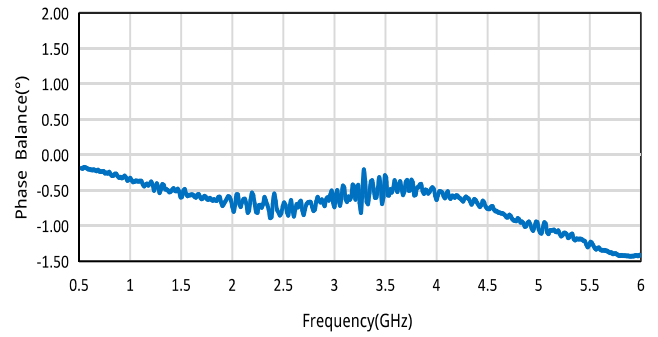
Isolation vs. Frequency



Amplitude Balance vs. Frequency

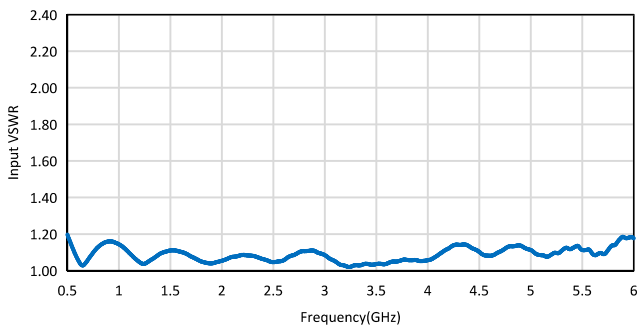


Phase Balance vs. Frequency

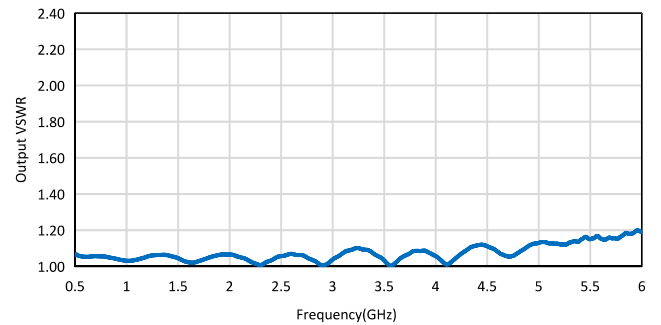


N

Input VSWR vs. Frequency

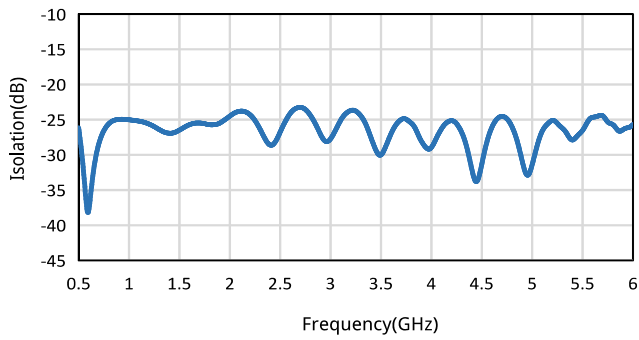


Output VSWR vs. Frequency

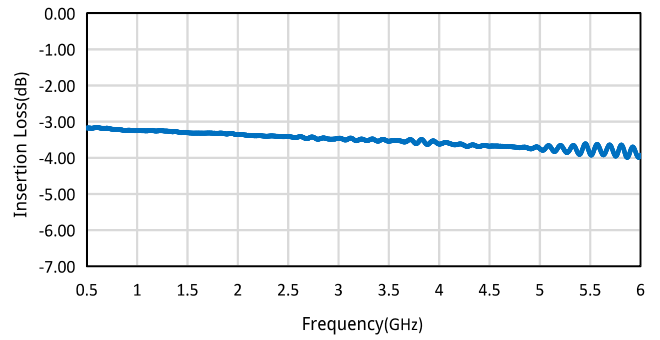


2-Way Power Dividers/Combiners

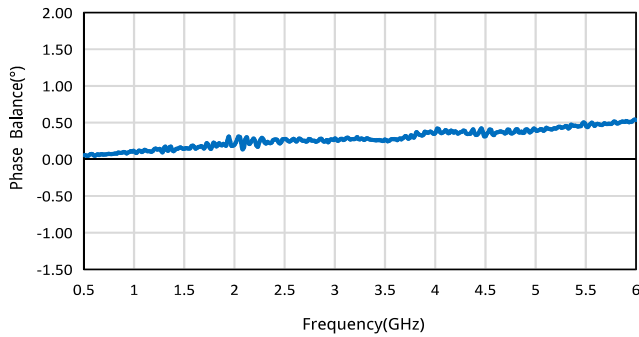
Isolation vs. Frequency



Insertion Loss vs. Frequency



Phase Balance vs. Frequency



Amplitude Balance vs. Frequency

