

QPD4-500-6000

4-Way, 0.5~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.5~6GHz
Insertion Loss:	1.8dB max. (SMA) 2.0dB max. (N)
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	±0.1dB max.
Phase Balance:	±2° max.
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

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

Operation Temperature:	-35~+75°C
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How To Order

QPD4-500-6000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

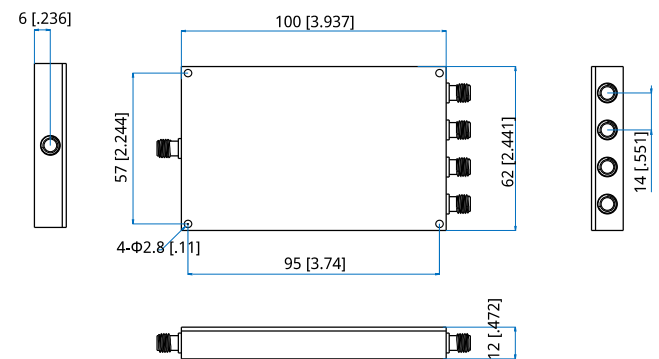
N - N Female (Outline B)

Examples:

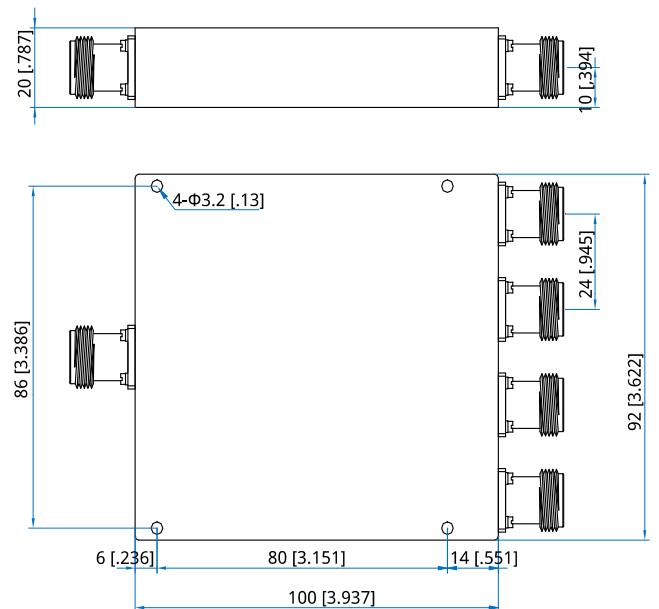
To order a 4-way power divider, 0.5~6GHz, 30W, N female, specify QPD4-500-6000-30-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

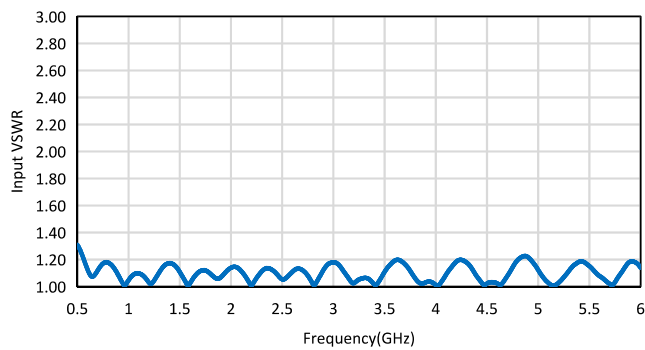
Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

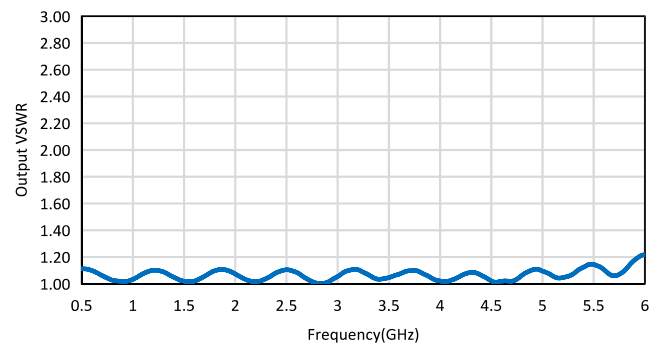
Typical Performance Curves

SMA

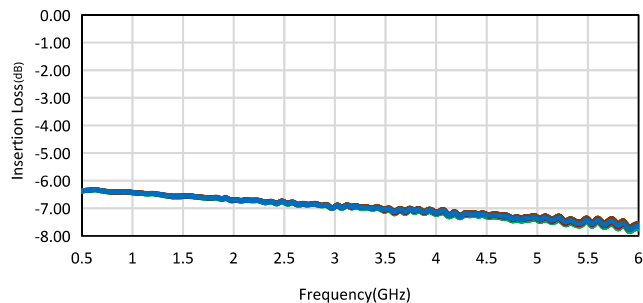
Input VSWR vs. Frequency



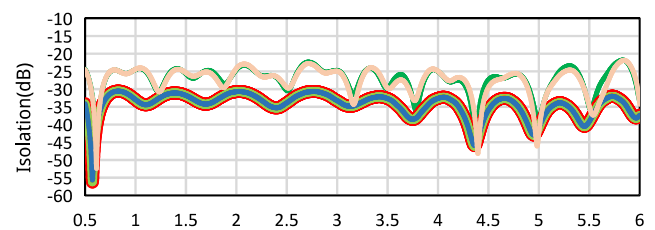
Output VSWR vs. Frequency



Insertion Loss vs. Frequency

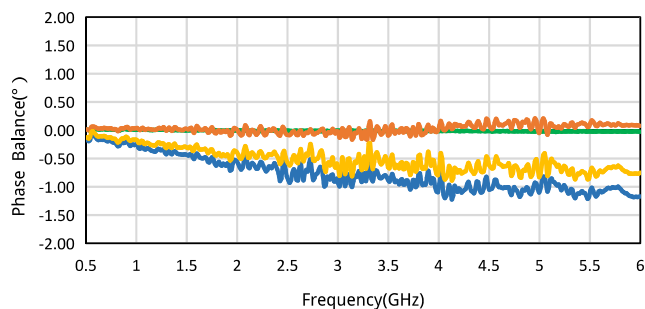


Isolation vs. Frequency

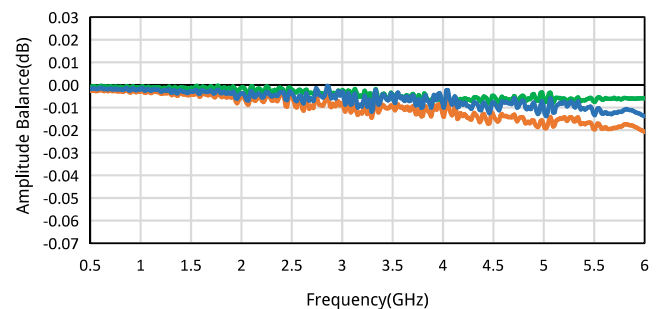


Port1 Port2 Port3 Port4

Phase Balance vs. Frequency



Amplitude Balance vs. Frequency



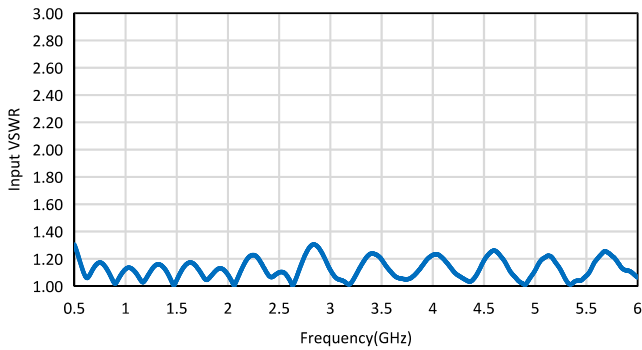
Port1 Port2 Port3 Port4

Port2 Port3 Port4

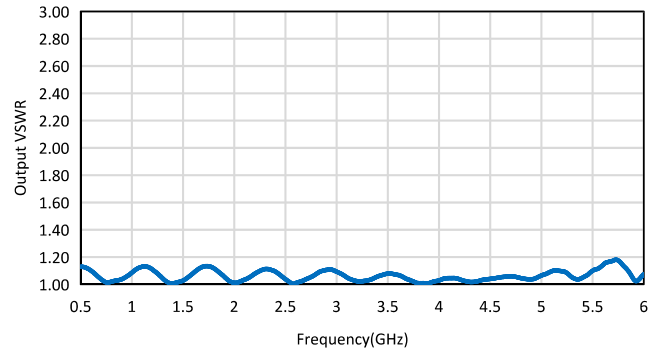
4-Way Power Dividers/Combiners

N

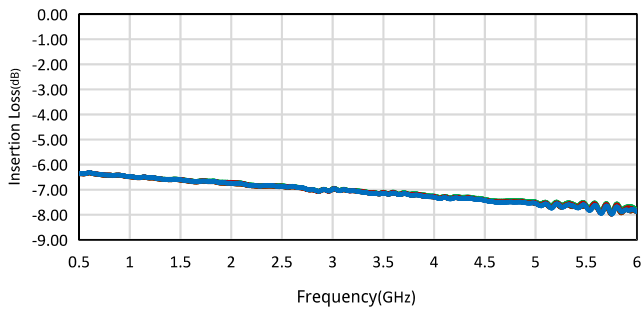
Input VSWR vs. Frequency



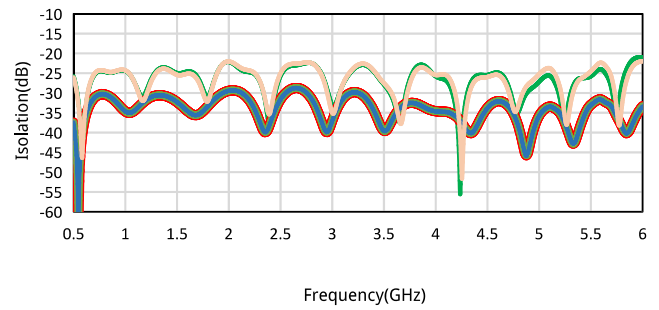
Output VSWR vs. Frequency



Insertion Loss vs. Frequency

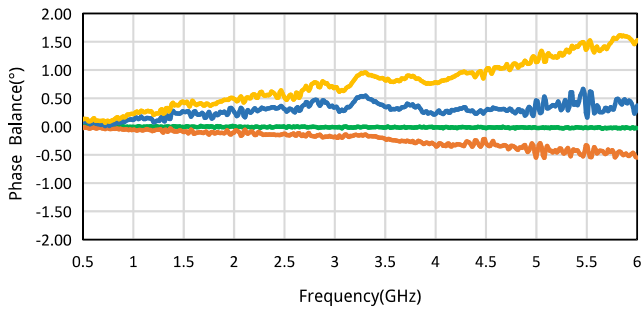


Isolation vs. Frequency



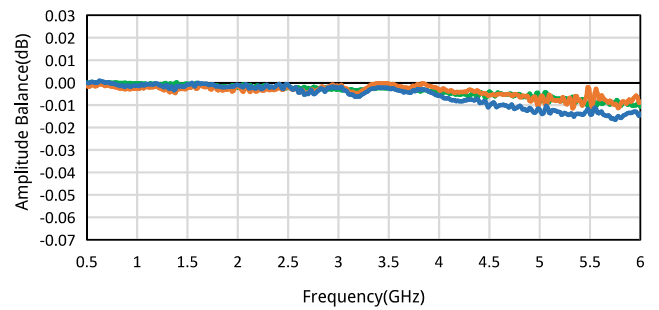
Port1 Port2 Port3 Port4

Phase Balance vs. Frequency



Port1 Port2 Port3 Port4

Amplitude Balance vs. Frequency



Port2 Port3 Port4