

QPD4-500-6000-30-DC

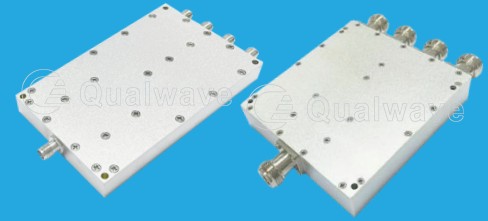
4-Way, 0.5~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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



Electrical

| | |
|--------------------|--|
| Frequency: | 0.5~6GHz |
| Insertion Loss: | 2.2dB max. |
| Input VSWR: | 1.4 max. |
| Output VSWR: | 1.3 max. |
| Isolation: | 20dB min. |
| Amplitude Balance: | ±0.5dB max. |
| Phase Balance: | ±5° max. |
| Impedance: | 50Ω |
| Voltage: | +50V DC |
| Current: | 2A max. |
| Power @SUM Port: | 30W max. as divider 2W max. as combiner |

Mechanical

| | |
|----------------------------|--|
| Connectors ^{*1} : | SMA Female N Female |
| Mounting: | 4-Φ2.8mm through-hole (SMA) 4-Φ3.2mm through-hole (N) |

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

Environmental

Operation Temperature: -35~+75°C

How To Order

QPD4-500-6000-30-Y-DC

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

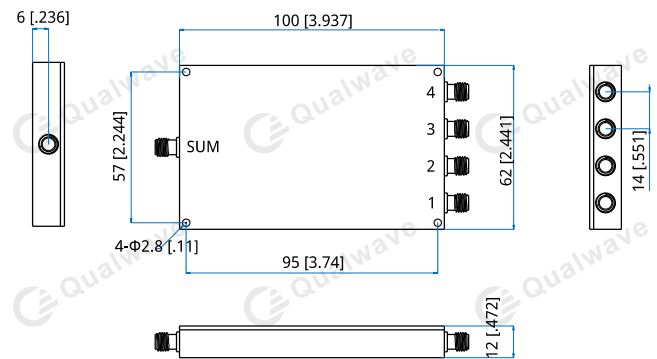
N - N Female (Outline B)

Examples:

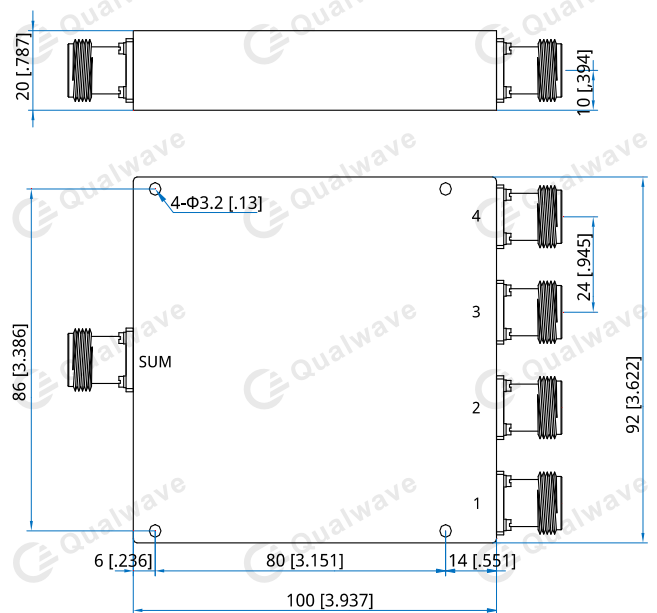
To order a 4-way power divider, 0.5~6GHz, 30W, N female, port 2 and 3 are DC blocked, specify QPD4-500-6000-30-N-DC with comments port 2 and port 3 are DC blocked.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Specify the ports to be DC blocked when place the order.

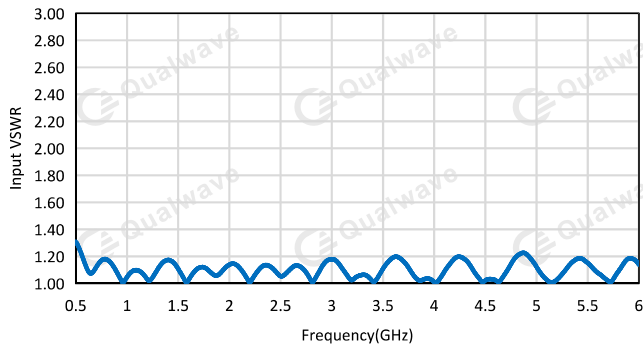
Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

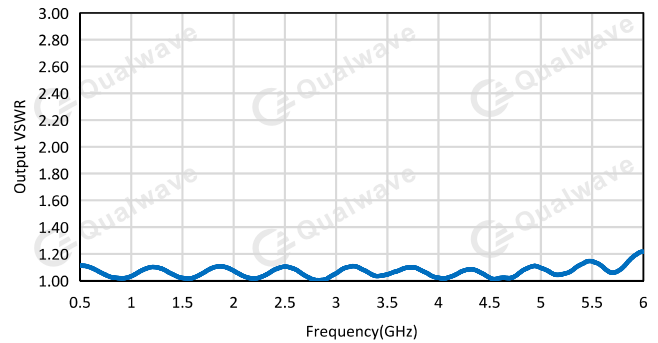
Typical Performance Curves SMA

4-Way Power Dividers/Combiners

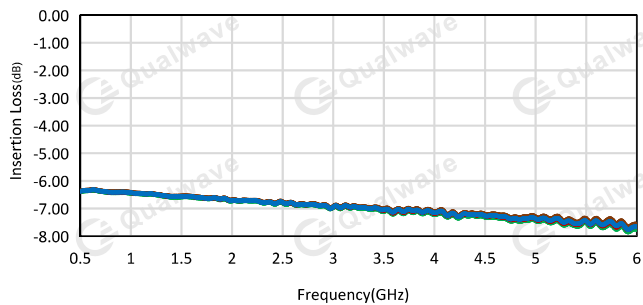
Input VSWR vs. Frequency



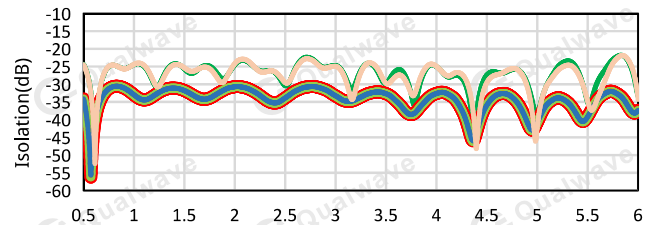
Output VSWR vs. Frequency



Insertion Loss vs. Frequency

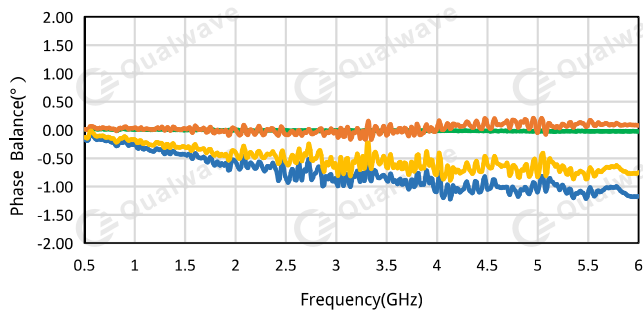


Isolation vs. Frequency

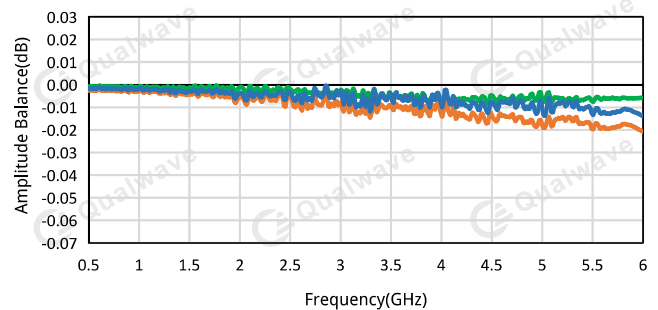


Port1 Port2 Port3 Port4

Phase Balance vs. Frequency



Amplitude Balance vs. Frequency



Port1 Port2 Port3 Port4

Port2 Port3 Port4

4-Way Power Dividers/Combiners

