

QPD4-4000-8000-30

4-Way, 4~8GHz

Features:
 * Small Size
 * Low Insertion Loss

Applications:
 * Amplifiers
 * Mixers
 * Antennas
 * Laboratory Test



Electrical

| | |
|--------------------------------|--|
| Frequency: | 4~8GHz |
| Insertion Loss ^{*1} : | 0.6dB max. (SMA) 0.8dB max. |
| Input VSWR: | 1.25 max. |
| Output VSWR: | 1.2 max. |
| Isolation: | 22dB min. |
| Amplitude Balance: | ±0.2dB typ. |
| Phase Balance: | ±2° typ. |
| Impedance: | 50Ω |
| Power @SUM Port: | 30W max. as divider 2W max. as combiner |

[1] Excluding theoretical loss 6dB.

Mechanical

| | |
|-------------|--------------------------------------|
| Connectors: | SMA Female N Female TNC Female |
| Mounting: | 4-Φ2.8mm through-hole |

Environmental

| | |
|----------------------------|------------|
| Operation Temperature: | -45~+85°C |
| Non-operating Temperature: | -55~+125°C |

How To Order

QPD4-4000-8000-30-Y

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

N - N Female (Outline B)

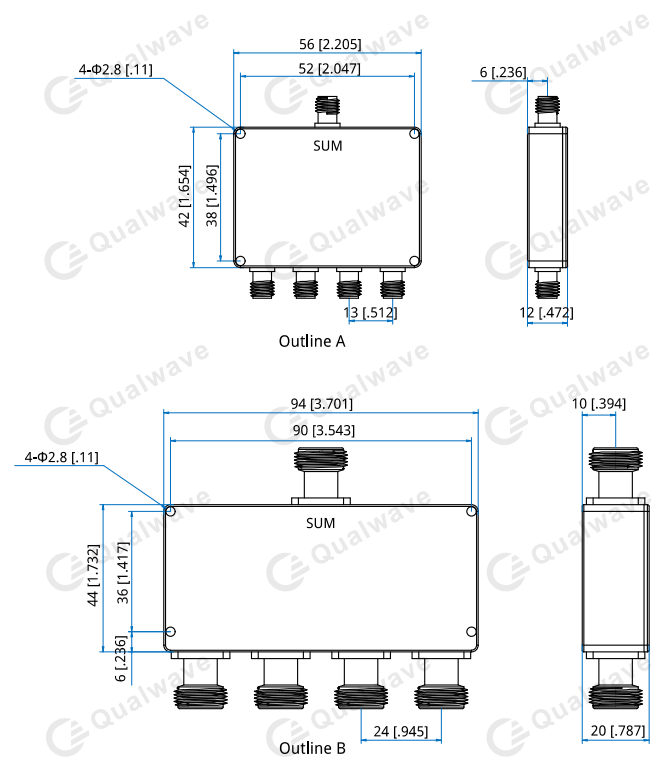
T - TNC Female (Outline B)

Examples:

To order a 4-way power divider, 4~8GHz, 30W, N female, specify QPD4-4000-8000-30-N.

Customization is available upon request.

Outline Drawings

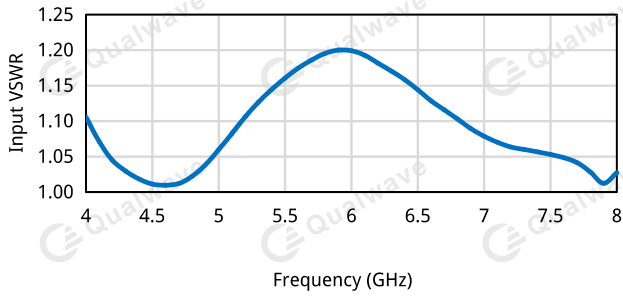


Unit: mm [in]

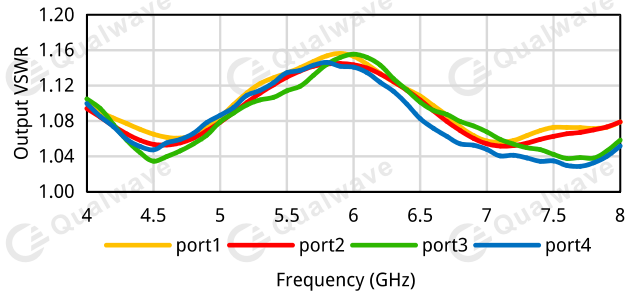
Tolerance: ±0.5mm [±0.02in]

Typical Performance Curves SMA

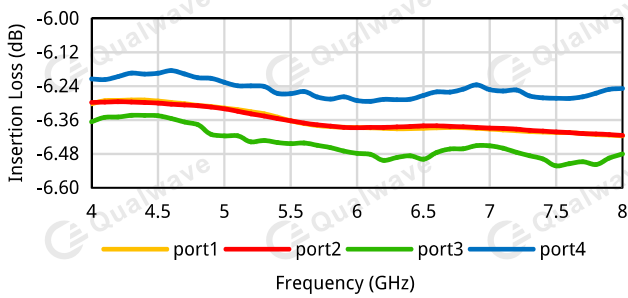
Input VSWR vs. Frequency



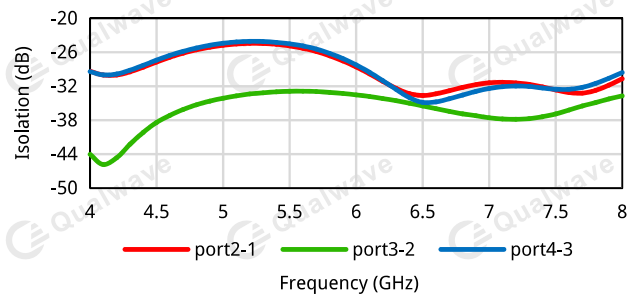
Output VSWR vs. Frequency



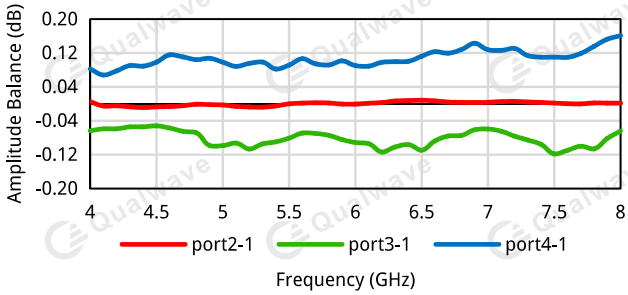
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude Balance vs. Frequency



Phase Balance vs. Frequency

