

QPD2-100-1000-30

2-Way, 0.1~1GHz

Features:
 * Small Size
 * Low Insertion Loss

Applications:
 * Amplifiers
 * Mixers
 * Antennas
 * Laboratory Test



Electrical

Frequency:	0.1~1GHz
Insertion Loss*1:	1dB max.
VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	±0.1dB typ.
Phase Balance:	±2° typ.
Impedance:	50Ω
Power @SUM Port:	30W max. as divider 2W max. as combiner

[1] Excluding theoretical loss 3dB.

Mechanical

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

Environmental

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

How To Order

QPD2-100-1000-30-Y

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

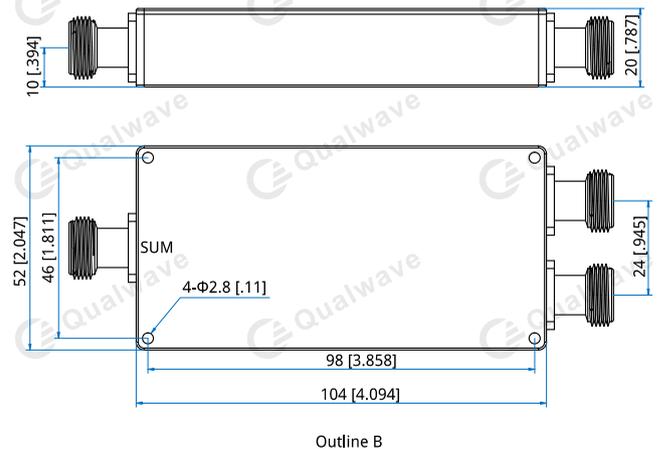
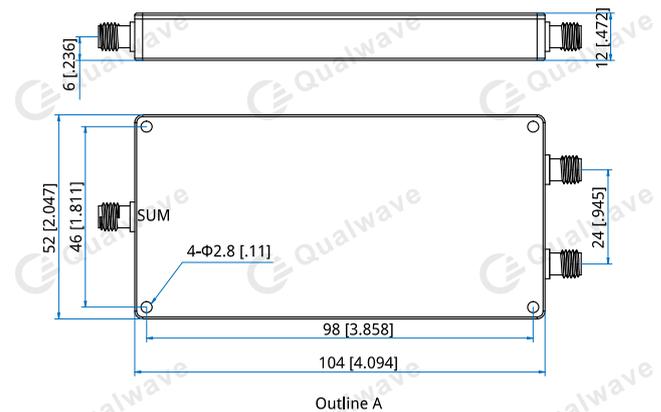
N - N Female (Outline B)

Examples:

To order a 2-way power divider, 0.1~1GHz, 30W, N female, specify QPD2-100-1000-30-N.

Customization is available upon request.

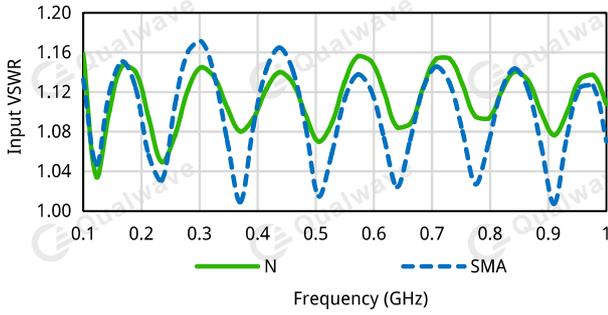
Outline Drawings



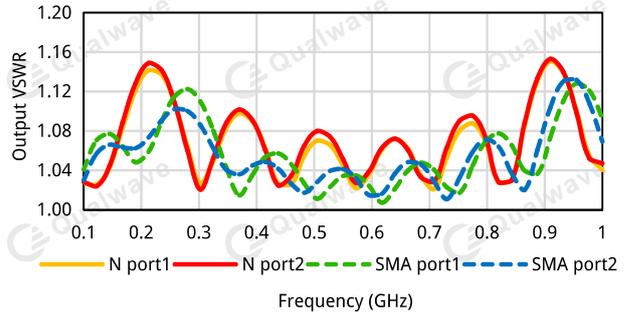
Unit: mm [in]
 Tolerance: ±0.5mm [±0.02in]

Typical Performance Curves

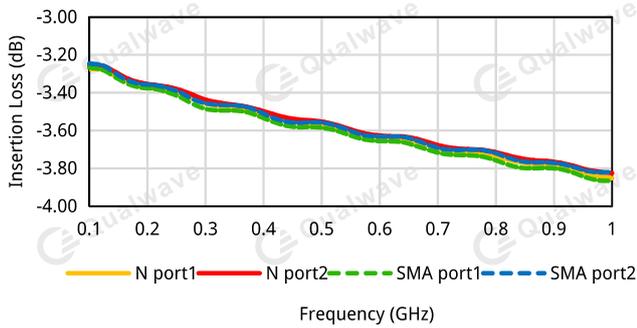
Input VSWR vs. Frequency



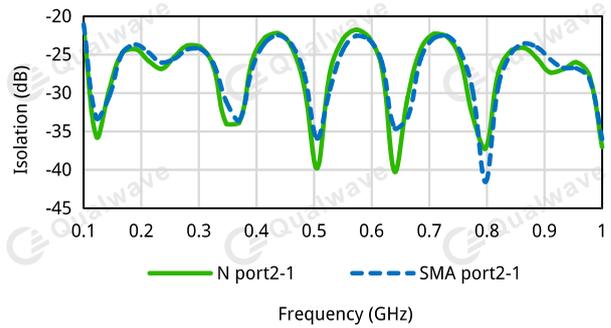
Output VSWR vs. Frequency



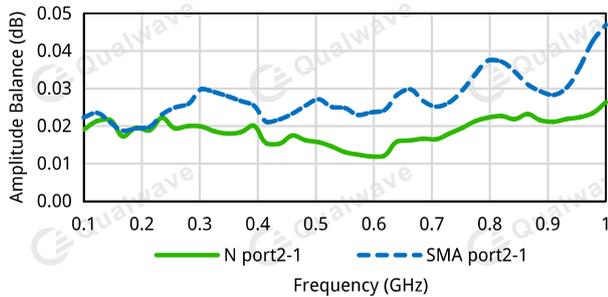
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude Balance vs. Frequency



Phase Balance vs. Frequency

