

QPD4-600-8000-30

4-Way, 0.6~8GHz

Features:
 * Small Size
 * Low Insertion Loss

Applications:
 * Amplifiers
 * Mixers
 * Antennas
 * Laboratory Test



Electrical

Frequency:	0.6~8GHz
Insertion Loss ^{*1} :	1.5dB max.
Input VSWR:	1.35 max.
Output VSWR:	1.25 max.
Isolation:	20dB min.
Amplitude Balance:	±0.2dB typ.
Phase Balance:	±3° 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
Mounting:	4-Φ2.8mm through-hole 4-Φ3.4mm through-hole

Environmental

Operation Temperature: -45~+85°C

How To Order

QPD4-600-8000-30-Y

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

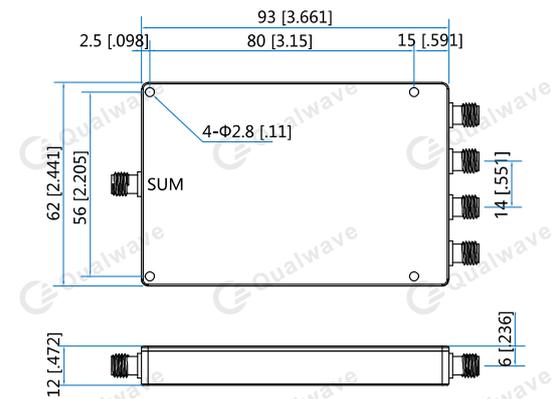
N -N Female (Outline B)

Examples:

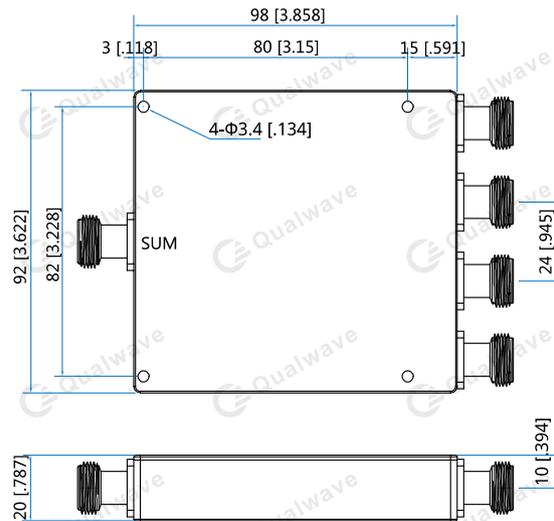
To order a 4-way power divider, 0.6~8GHz, 30W, SMA female, specify QPD4-600-8000-30-S.

Customization is available upon request.

Outline Drawings



Outline A



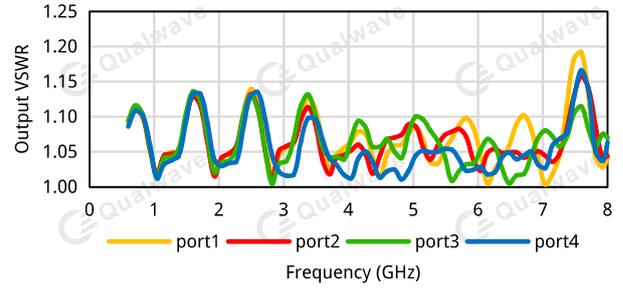
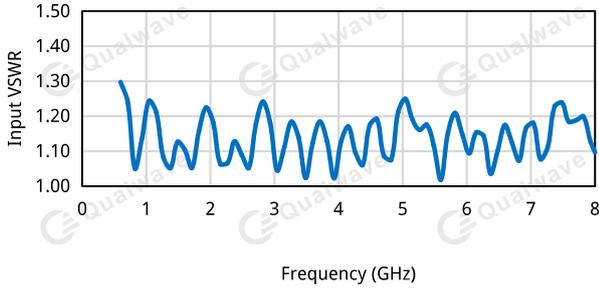
Outline B

Unit: mm [in]

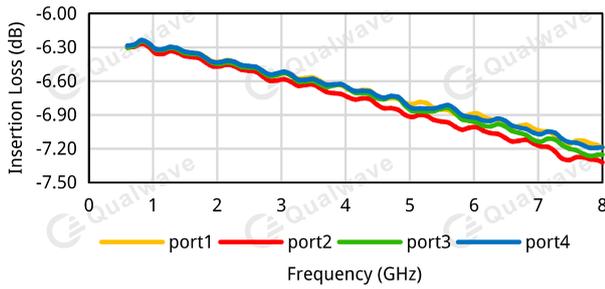
Tolerance: ±0.5mm [±0.02in]

Typical Performance Curves
SMA

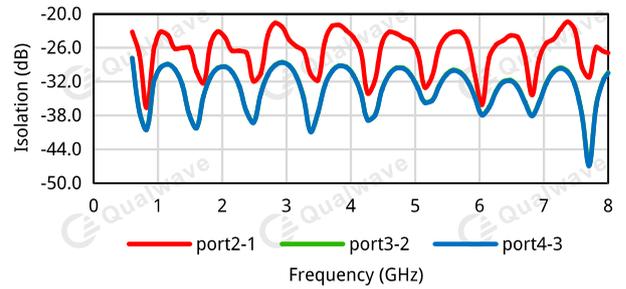
Input VSWR vs. Frequency



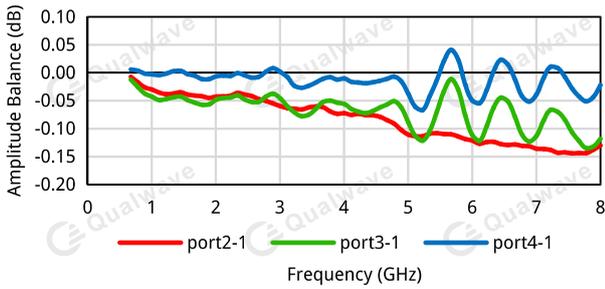
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude Balance vs. Frequency



Phase Balance vs. Frequency

