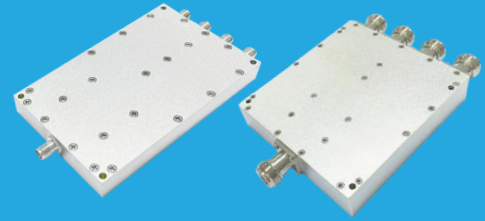


QPD4-500-6000-30

4-Way, 0.5~6GHz

Features:
 * Small Size
 * Low Insertion Loss

Applications:
 * Amplifiers
 * Mixers
 * Antennas
 * Laboratory Test



Electrical

Frequency:	0.5~6GHz
Insertion Loss:	2dB max.
Input VSWR:	1.35 max.
Output VSWR:	1.25 max.
Isolation:	20dB min.
Amplitude Balance:	±0.2dB max.
Phase Balance:	±2° max.
Impedance:	50Ω
Power @SUM Port:	30W max. as divider 2W max. as combiner

Mechanical

Connectors*1:	SMA Female N Female TNC Female SMP Male
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

Y: Connector type

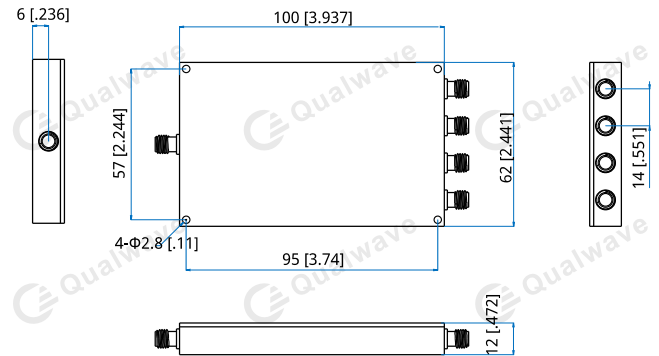
Connector naming rules:
 S - SMA Female (Outline A)
 N - N Female (Outline B)
 T - TNC Female
 P - SMP Male

Examples:

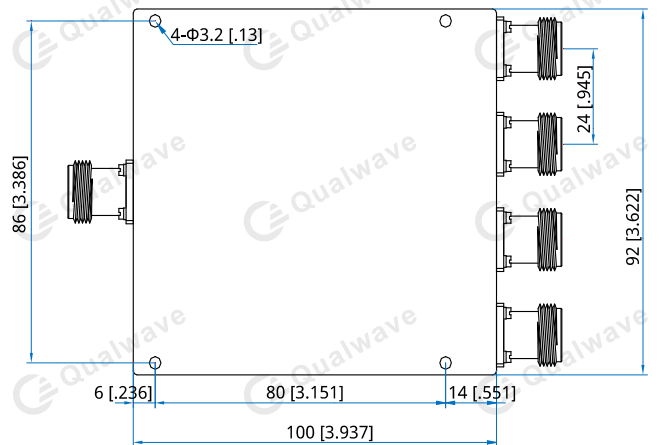
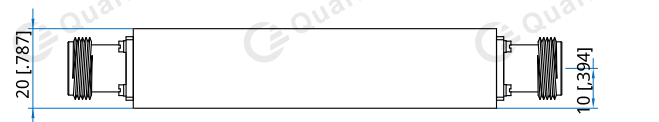
To order a 4-way power divider, 0.5~6GHz, 30W, N female, specify QPD4-500-6000-30-N.

Customization is available upon request.

Outline Drawings



Outline A

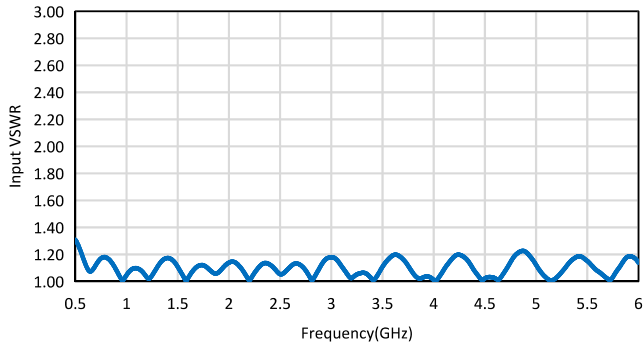


Outline B

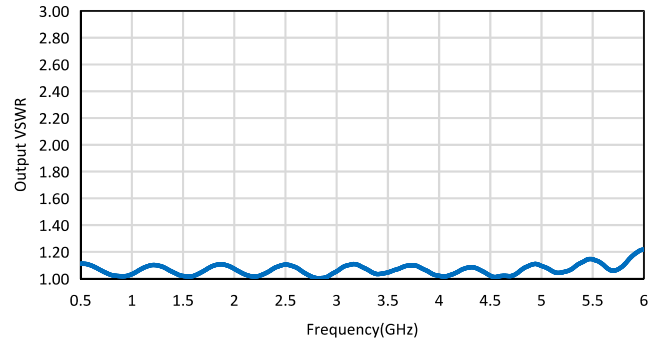
Unit: mm [in]
 Tolerance: ±0.5mm [±0.02in]

Typical Performance Curves SMA

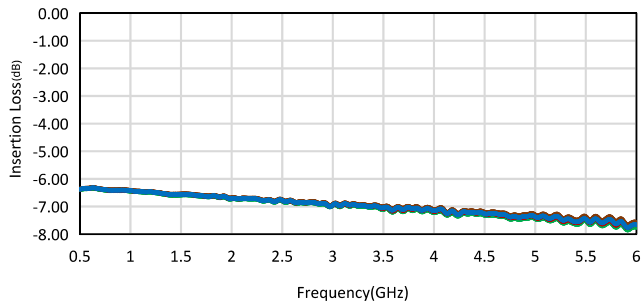
Input VSWR vs. Frequency



Output VSWR vs. Frequency

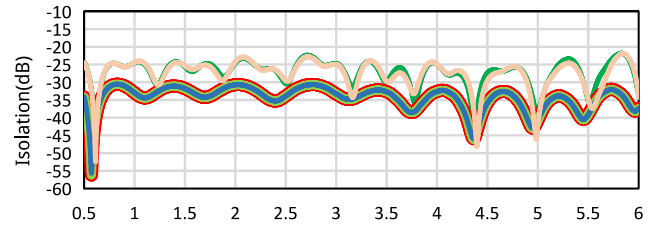


Insertion Loss vs. Frequency



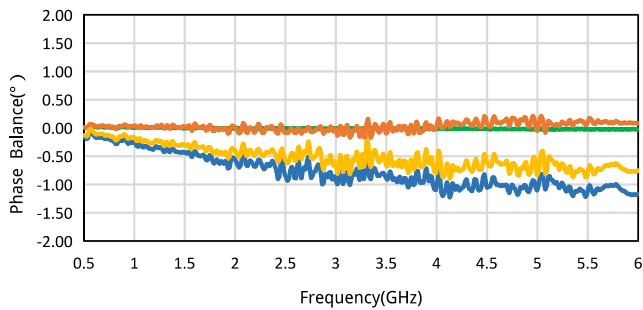
— Port1 — Port2 — Port3 — Port4

Isolation vs. Frequency



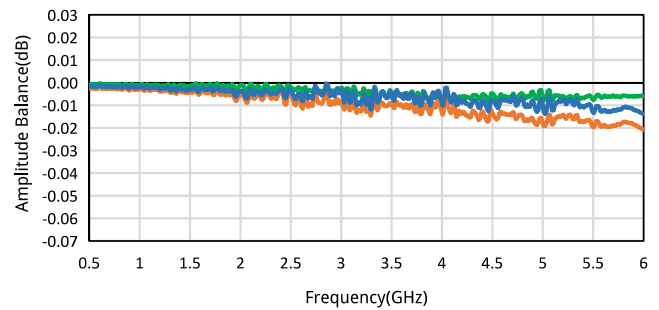
Frequency(GHz)
 — port1-2 — port1-3 — port1-4
 — port2-3 — port2-4 — port3-4

Phase Balance vs. Frequency



— Port1 — Port2 — Port3 — Port4

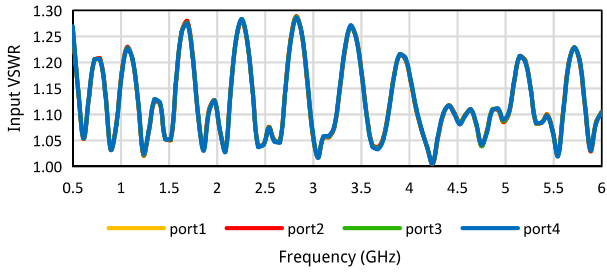
Amplitude Balance vs. Frequency



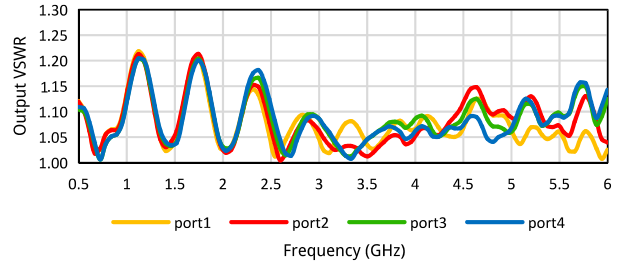
— Port2 — Port3 — Port4

4-Way Power Dividers/Combiners

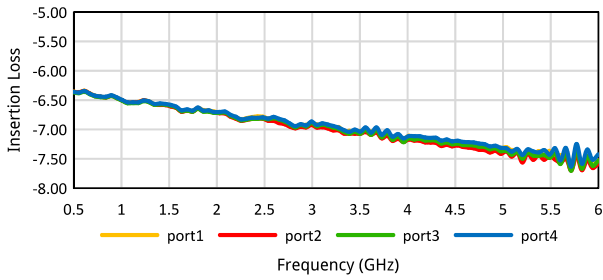
Input VSWR vs. Frequency



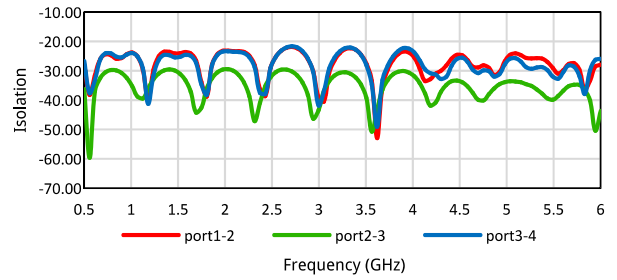
Output VSWR vs. Frequency



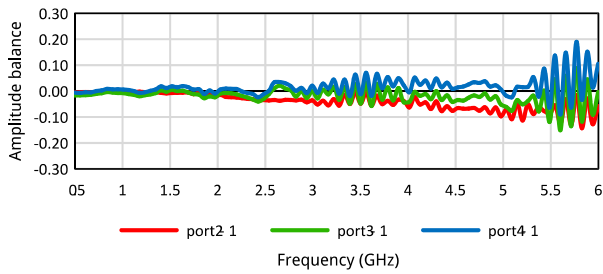
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude balance vs. Frequency



Phase balance vs. Frequency

