

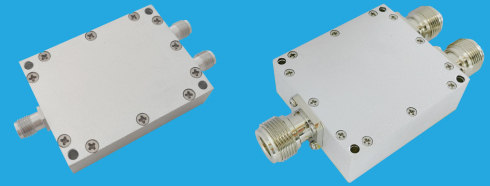
QPD2-500-6000-30

2-Way, 0.5~6GHz

Features:

Applications:

- * Antennas
- * Laboratory Test



Electrical

Frequency:	0.5~6GHz
Insertion Loss:	1.1dB max. (SMA) 1.2dB max. (N)
Input VSWR:	1.25 max.
Output VSWR:	1.25 max.
Isolation:	20dB min.
Amplitude Balance:	±0.1dB max.
Phase Balance:	±1°
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)
Mounting:	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

QPD2-500-6000-30-Y

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

N - N Female (Outline B)

T - TNC Female

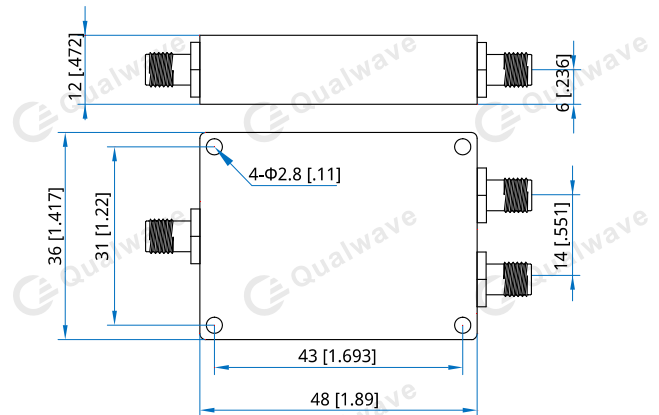
P - SMP Male

Examples:

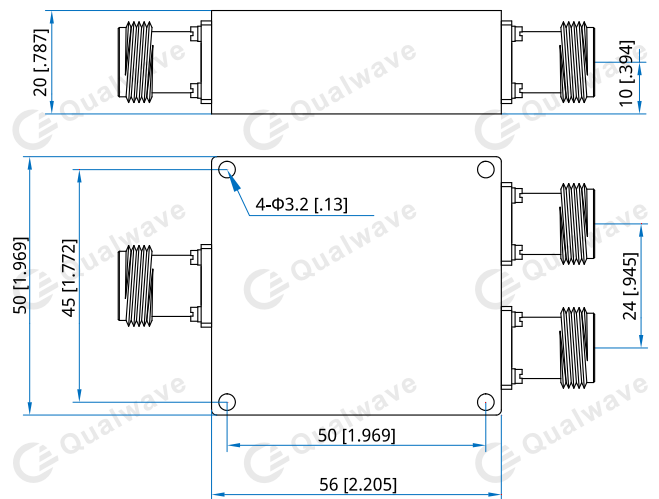
To order a 2-way power divider, 0.5~6GHz, 30W, N female, specify QPD2-500-6000-30-N.

Customization is available upon request.

Outline Drawings



Outline A



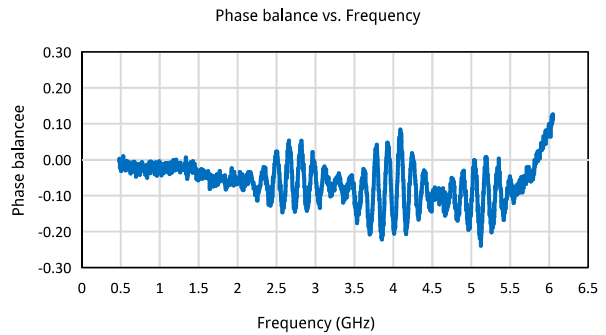
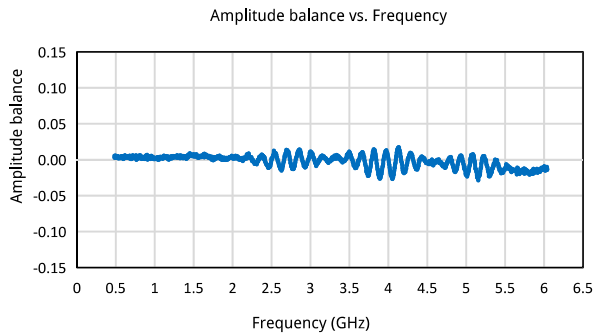
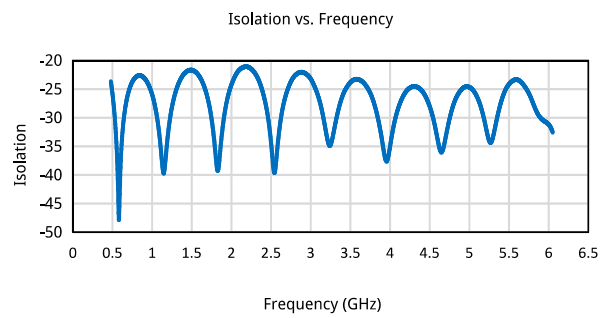
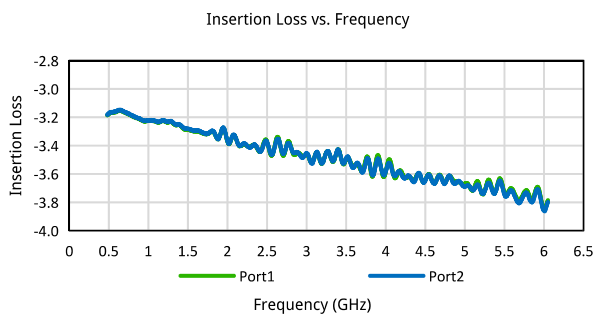
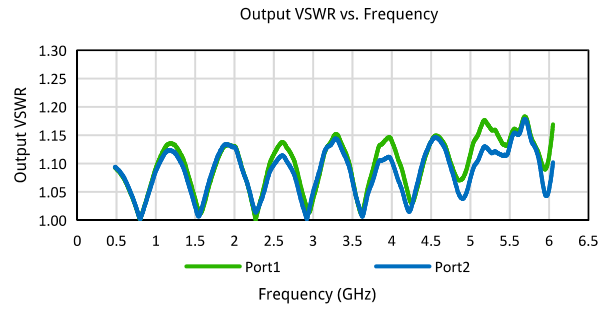
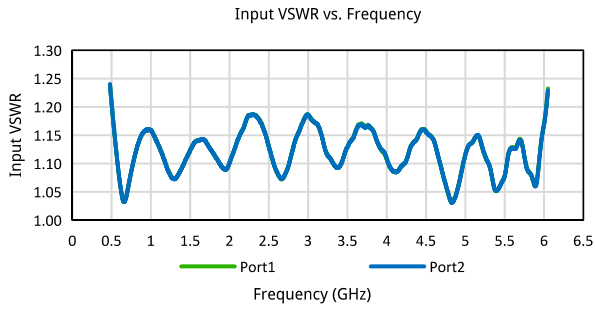
Outline B

Unit: mm [in]

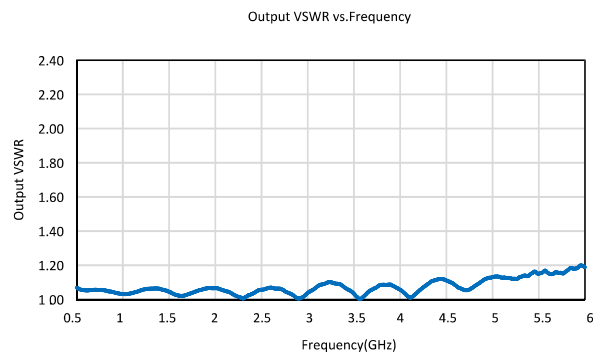
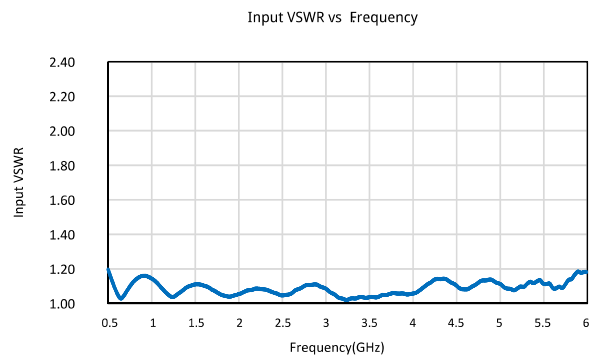
Tolerance: ±0.5mm [±0.02in]

Typical Performance Curves

SMA

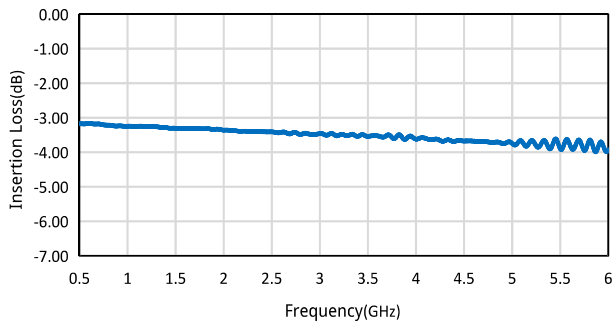


N

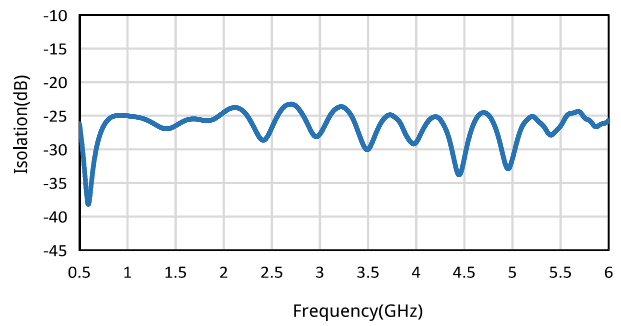


2-Way Power Dividers/Combiners

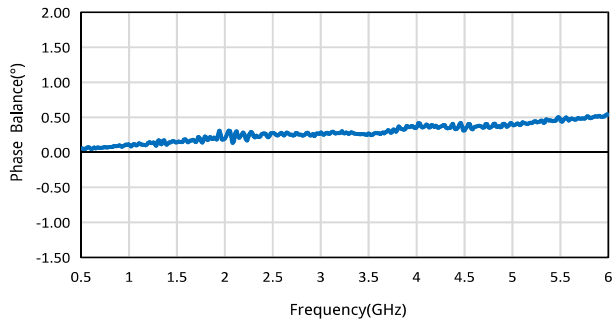
Insertion Loss vs. Frequency



Isolation vs. Frequency



Phase Balance vs. Frequency



Amplitude Balance vs. Frequency

