

QPD2-950-2150-30-DC

2-Way, 0.95~2.15GHz

Features:
 * Small Size
 * Low Insertion Loss

Applications:
 * Amplifiers
 * Mixers
 * Antennas
 * Laboratory Test



Electrical

Frequency:	0.95~2.15GHz
Insertion Loss:	0.3dB typ.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	±0.2dB max.
Phase Balance:	±2°
Impedance:	50Ω
Power @SUM Port:	30W max. as divider 2W max. as combiner
Voltage:	+24V DC max.
Current:	3A

Mechanical

Connectors*1:	SMA Female N Female TNC Female SMP Male
Mounting:	3-Φ2.2mm through-hole 4-Φ3.2mm through-hole

[1] Female connectors can be replaced with male connectors on request.

Environmental

Operating Temperature:	-35~+75°C
Non-operating Temperature:	-45~+85°C

How To Order

QPD2-950-2150-30-Y-DC

Y: Connector type

Connector naming rules:

S - SMA female (Outline A)

N - N female (Outline B)

T - TNC Female (Outline C)

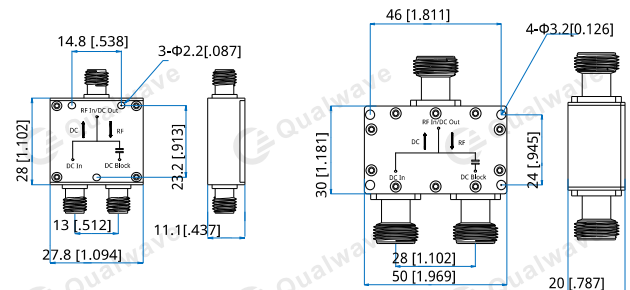
P - SMP Male

Examples:

To order a 2-Way Power Divider/Combiner, 0.95~2.15GHz, 30W, SMA Female, specify QPD2-950-2150-30-S-DC.

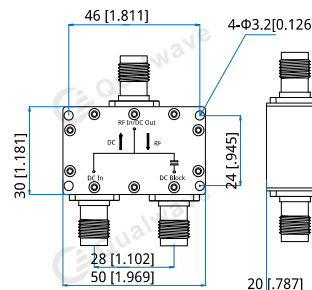
Customization is available upon request.

Outline Drawings



Outline A

Outline B



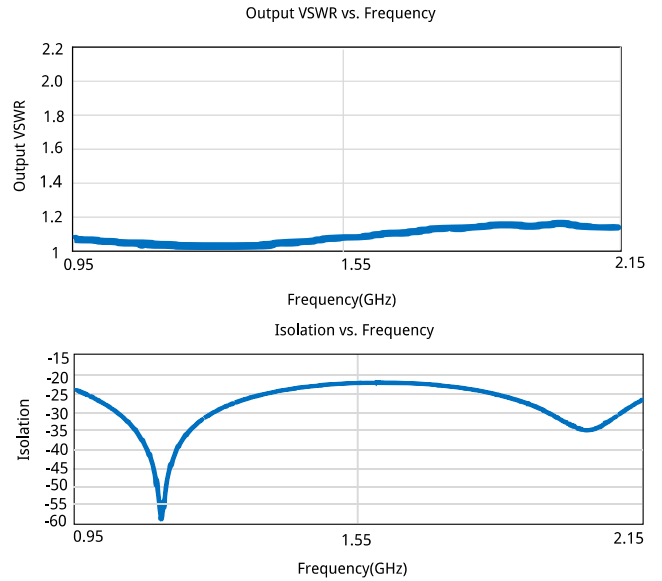
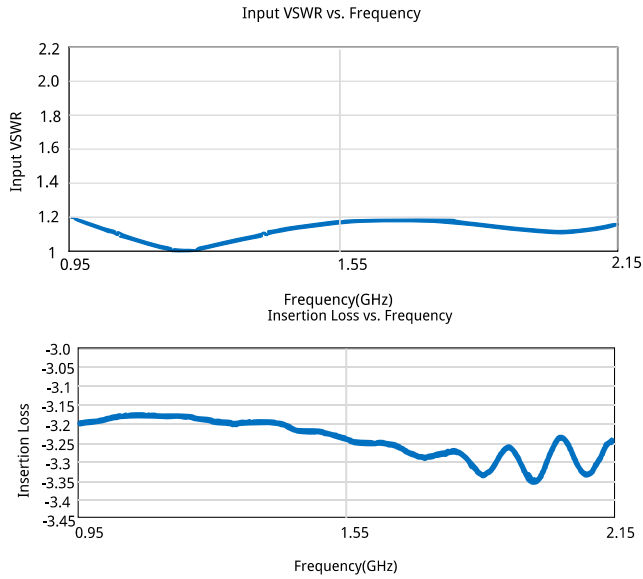
Outline C

Unit: mm [in]

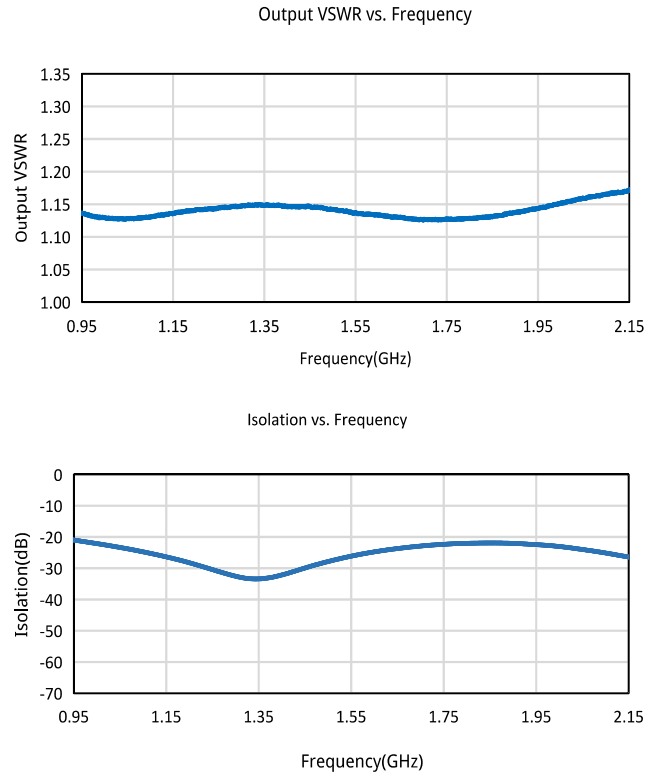
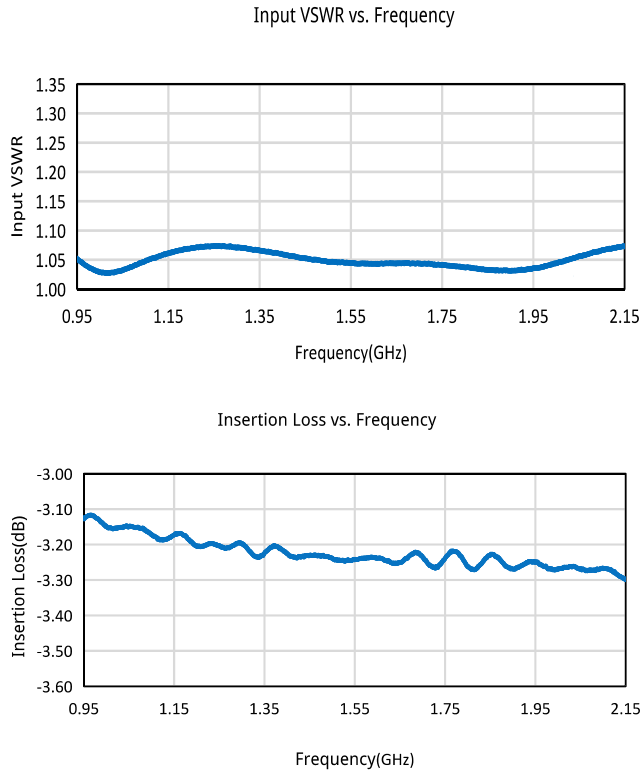
Tolerance: ±0.5mm [±0.02in]

Typical Performance Curves

SMA

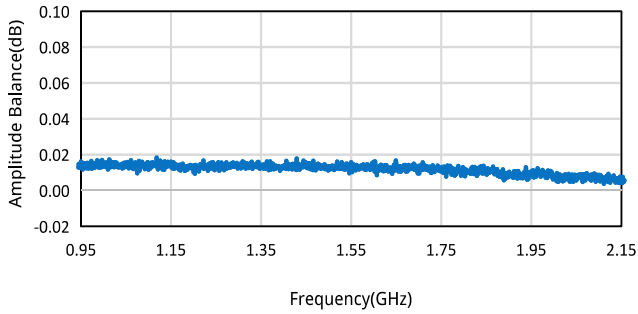


N

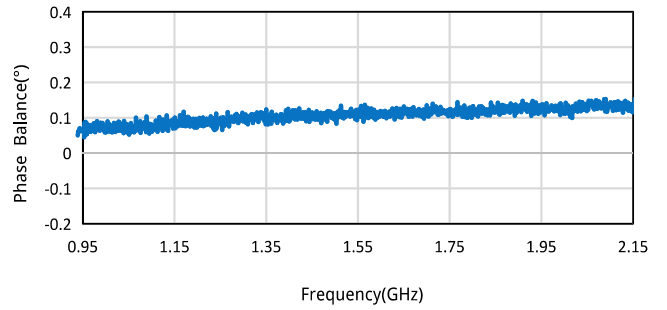


2-Way Power Dividers/Combiners

Amplitude Balance vs. Frequency

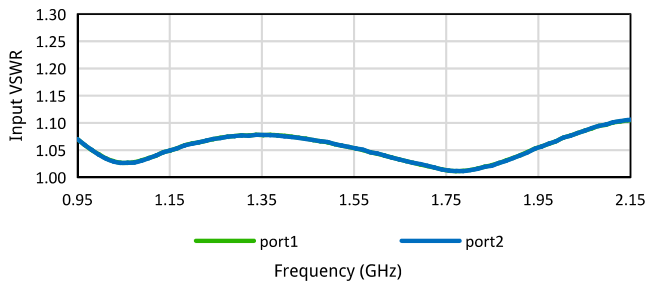


Phase Balance vs. Frequency

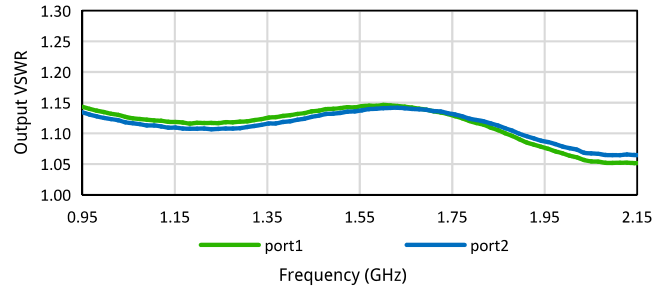


TNC

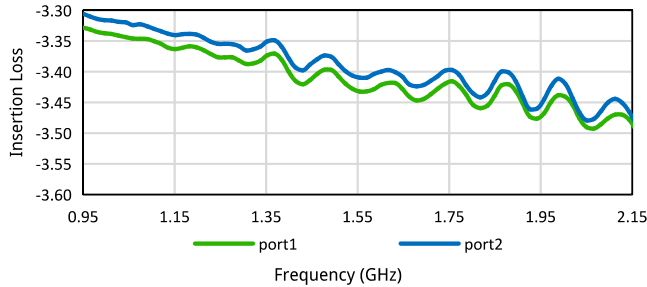
Input VSWR vs. Frequency



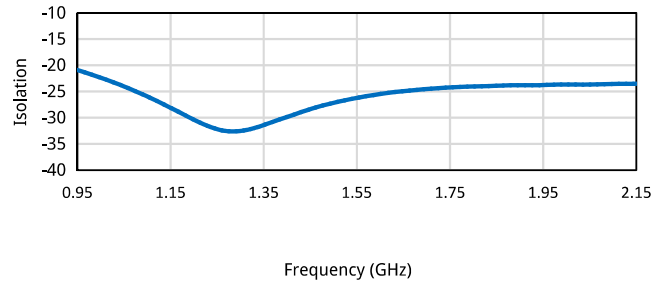
Output VSWR vs. Frequency



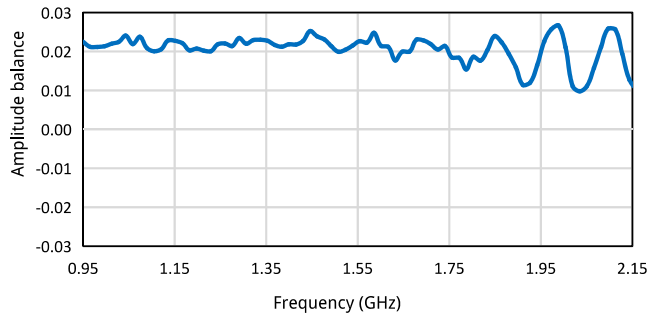
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude balance vs. Frequency



Phase balance vs. Frequency

