

FPD3-1-300-2

3-Way, 1~300MHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test



Electrical

Frequency:	1~300MHz
Insertion Loss ^{*1} :	1.0dB max.
Input VSWR:	1.35 max.
Output VSWR:	1.25 max.
Isolation:	20dB min.
Amplitude Balance:	±0.2dB typ.
Phase Balance:	±2° typ.
Impedance:	50Ω
Power @SUM Port:	2W max. as divider 2W max. as combiner

[1] Excluding theoretical loss 4.8dB.

Mechanical

Connectors:	SMA Female N Female TNC Female
Mounting:	2-Φ2.2mm through-hole (SMA) 2-Φ4.5mm through-hole (N)

Environmental

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

How To Order

FPD3-1-300-2-X

X: Connector type

Connector naming rules:

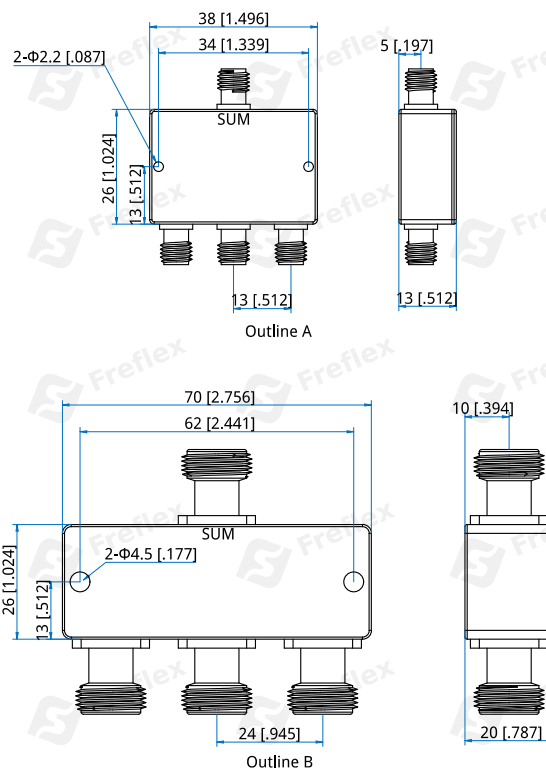
- S - SMA Female (Outline A)
- N - N Female (Outline B)
- T - TNC Female (Outline B)

Examples:

To order a 3-way power divider, 1~300MHz, 2W, SMA female, specify FPD3-1-300-2-S.

Customization is available upon request.

Outline Drawings



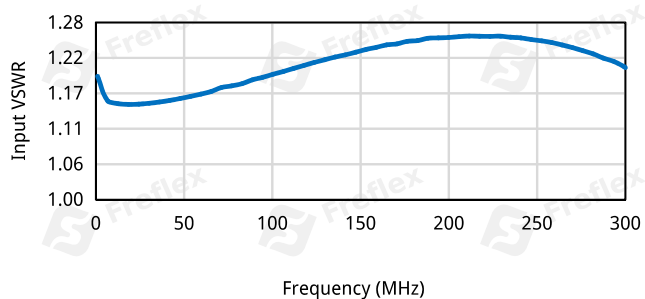
Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

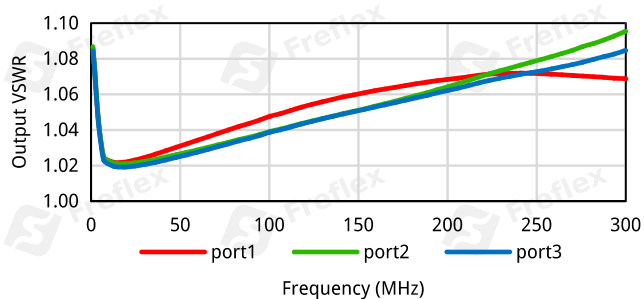
Typical Performance Curves SMA

3-Way Power Divider/Combiner

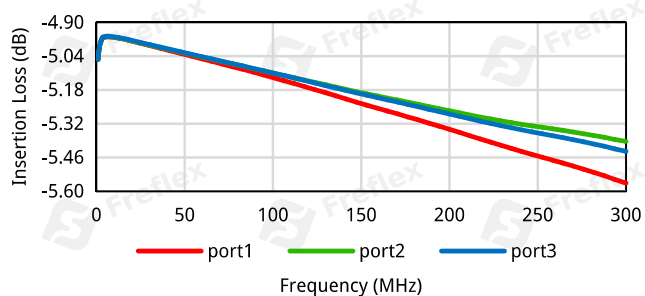
Input VSWR vs. Frequency



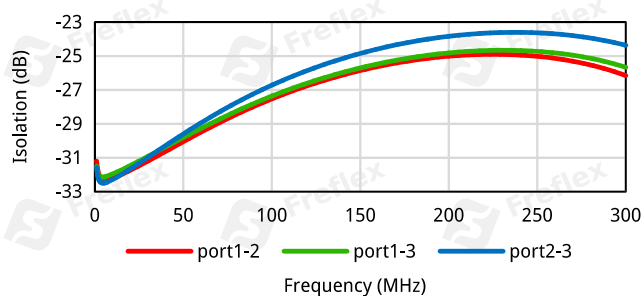
Output VSWR vs. Frequency



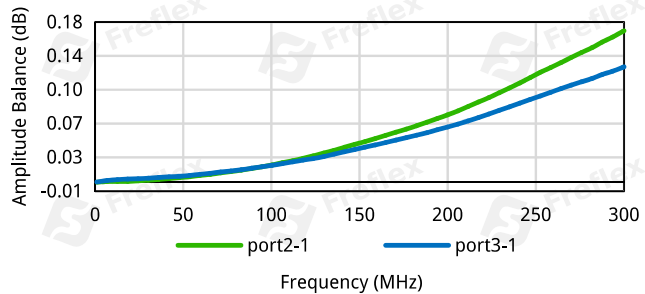
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude Balance vs. Frequency



Phase Balance vs. Frequency

