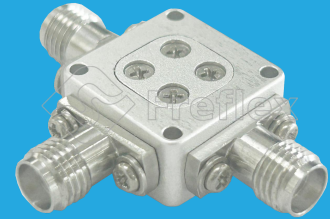


# FPD2-0-26500-2

## DC~26.5GHz, 2W

Features:  
 \* Small Size  
 \* Low Insertion Loss

Applications:  
 \* Amplifiers  
 \* Mixers  
 \* Antennas  
 \* Laboratory Test



### Electrical

Frequency:	DC~26.5GHz
Amplitude Balance:	±0.4dB
Phase Balance:	±4°
Power @SUM Port:	2W as divider
Impedance:	50Ω

Model	Insertion Loss*1 (dB max.)	Input VSWR (max.)	Output VSWR (max.)	Isolation (dB min.)
FPD2-0-26500-2-S	1.5	1.5	2.5	9
FPD2-0-26500-2-S-1	1.5	1.5	1.5	6 typ.

[1] Excluding theoretical loss 6dB.

### Mechanical

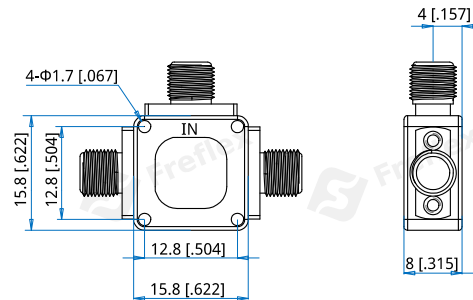
Size*2:	15.8*15.8*8mm 0.622*0.622*0.315in
Connectors:	SMA Female
Mounting:	4-Φ1.7mm through-hole

[2] Exclude connectors.

### Environmental

Operating Temperature:	-40~+85°C
Non-operating Temperature:	-55~+100°C

### Outline Drawings



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

### How To Order

**FPD2-0-26500-2-X**

X: Connector type

Connector naming rules:

S - SMA Female, Consists of two 50Ω resistors

S-1 - SMA Female, Consists of three 16 2/3Ω resistors

Examples:

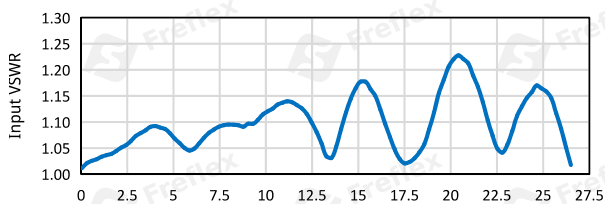
To order a 2-way power divider, 0~26.5GHz, 2W, SMA female, Consists of two 50Ω resistors, specify FPD2-0-26500-2-S.

Customization is available upon request.

### Typical Performance Curves

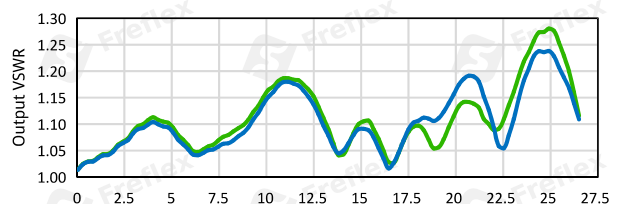
FPD2-0-26500-2-S-1:

Input VSWR vs. Frequency



Frequency (GHz)

Output VSWR vs. Frequency

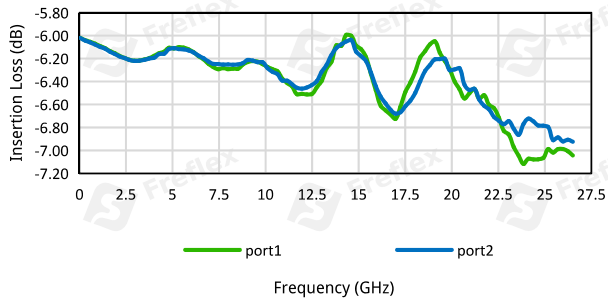


— port1 — port2

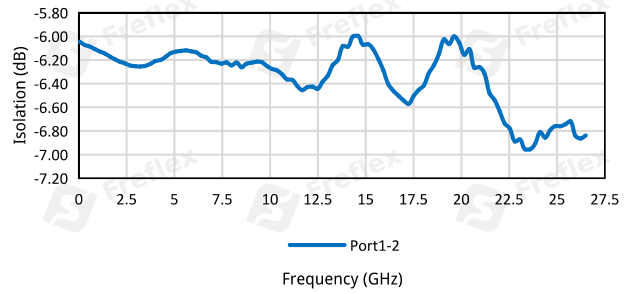
Frequency (GHz)

## 2-Way Resistive Power Divider

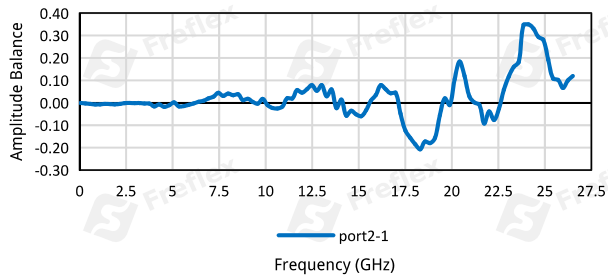
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude Balance vs. Frequency



Phase Balance vs. Frequency

