

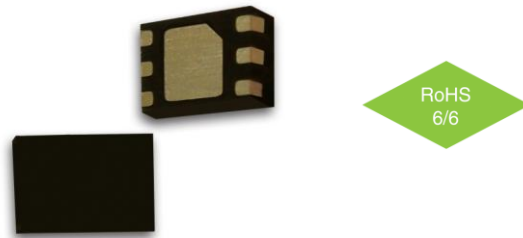
# VFPD206-010

## 2-Way Power Divider

### 3.0 – 4.0 GHz

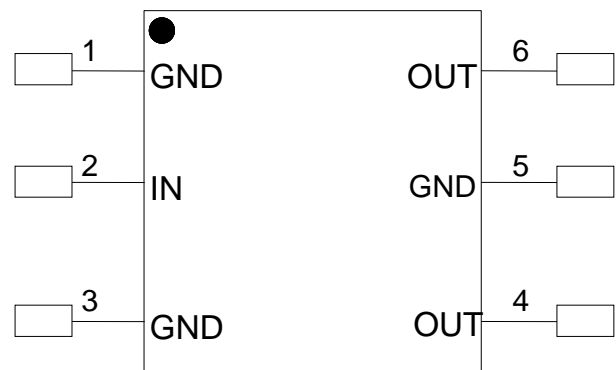
#### Features

- Highly repeatable monolithic design
- Low insertion loss
- Excellent phase & amplitude balance
- High isolation / Low VSWR
- Power handling:
  - 1.5 Watts as a divider
  - 0.75 Watts as a combiner
- Miniature 1.5 x 2.0 mm SLP package



#### Applications

- Wireless communications
- WLAN / WiMax
- SAT Radio
- ISM band equipment



**TOP VIEW**

#### Description

The **VFPD206-010** is a miniature 2-way power divider optimized for the 3.3 – 3.8 GHz band as specified below. The device is offered in an easy to use 1.5 x 2.0 mm surface mount leadless package and comes available in tape and reel. The **VFPD206-010** is a fully passive monolithic device that offers very low insertion loss, high isolation, low VSWR and excellent phase and amplitude balance.

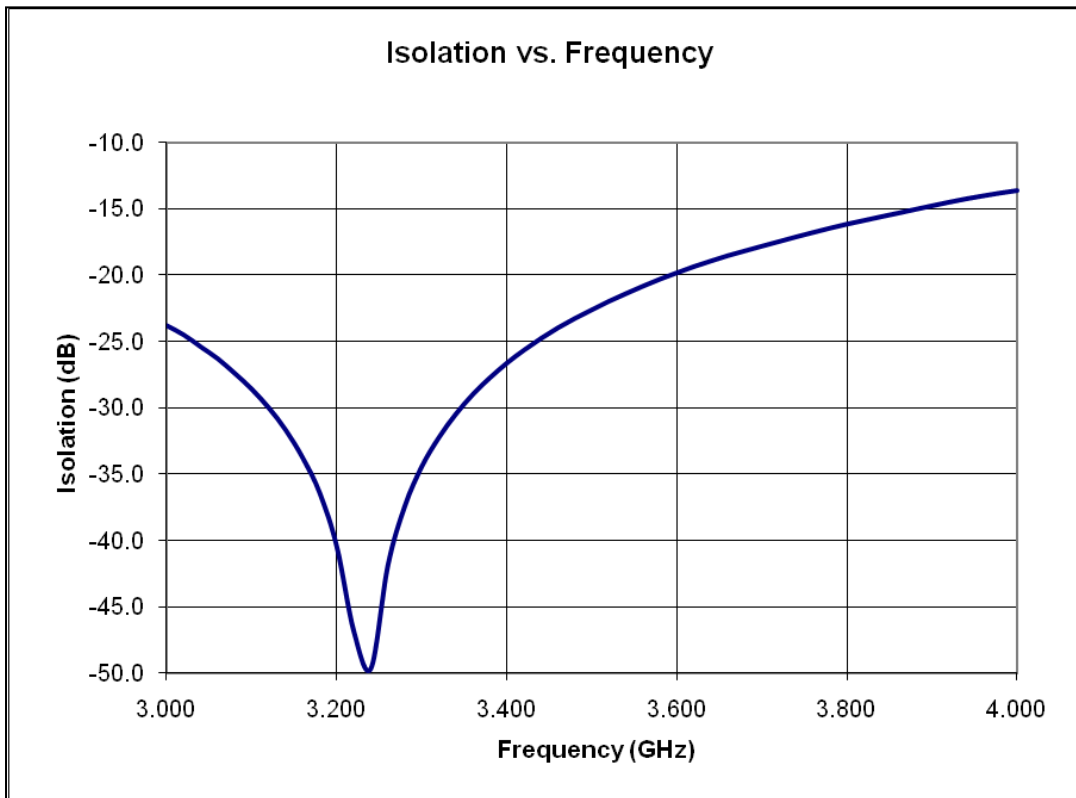
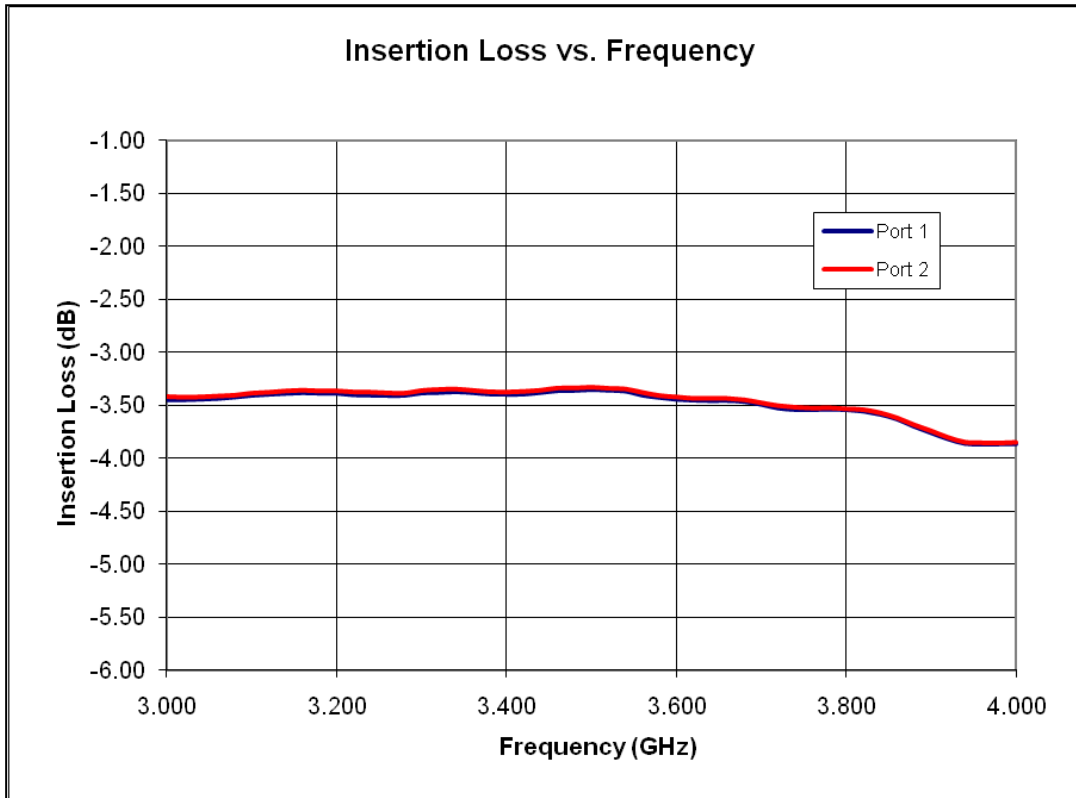
#### Electrical Specifications

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	F	3.3		3.8	GHz
Isolation	Isol		16.0		dB
Insertion Loss (Above 3dB)	I <sub>L</sub>		0.45		dB
Phase balance	∅ <sub>bal</sub>		±1.0		degree
Amplitude balance	A <sub>bal</sub>		±0.10		dB
Input VSWR			1.50		:1
Output VSWR			1.30		:1

# VFPD206-010

## 2-Way Power Divider

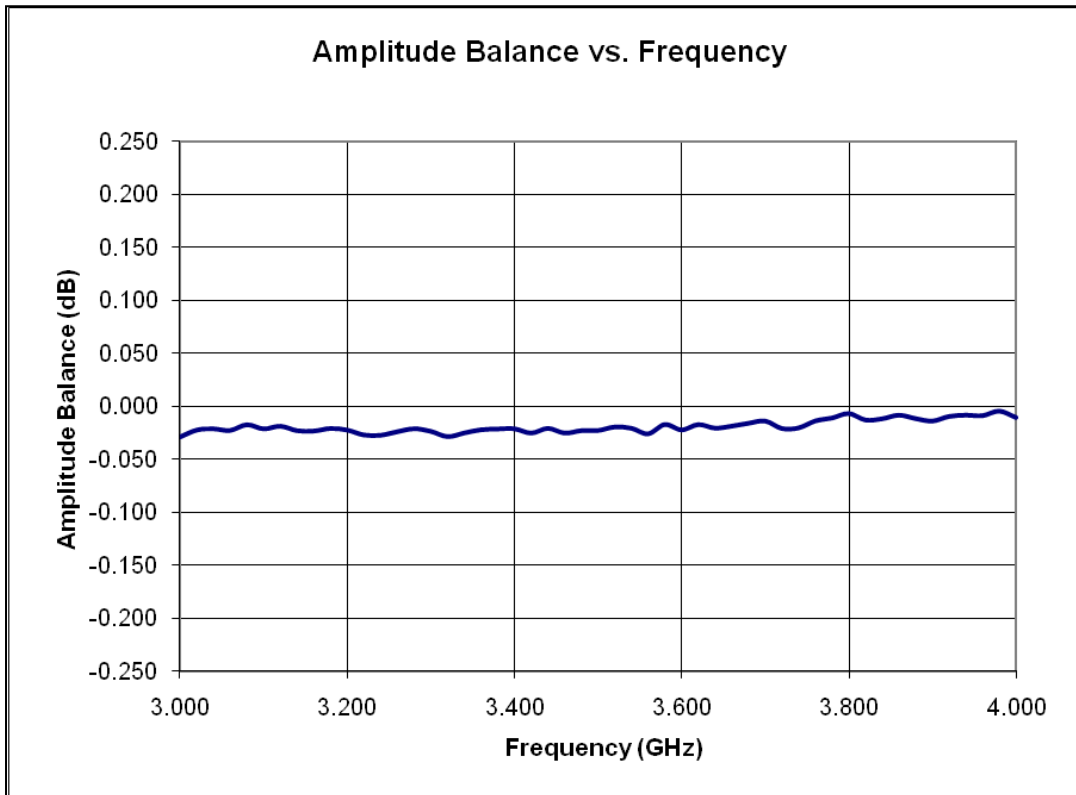
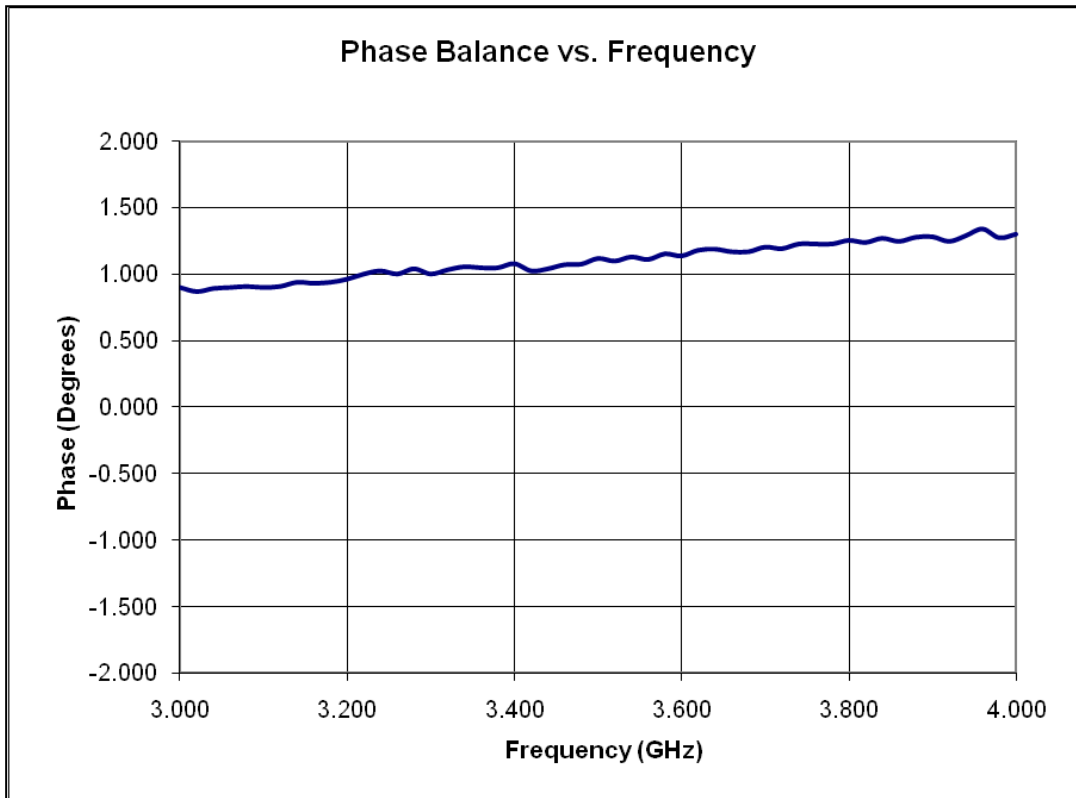
### 3.0 – 4.0 GHz



# VFPD206-010

## 2-Way Power Divider

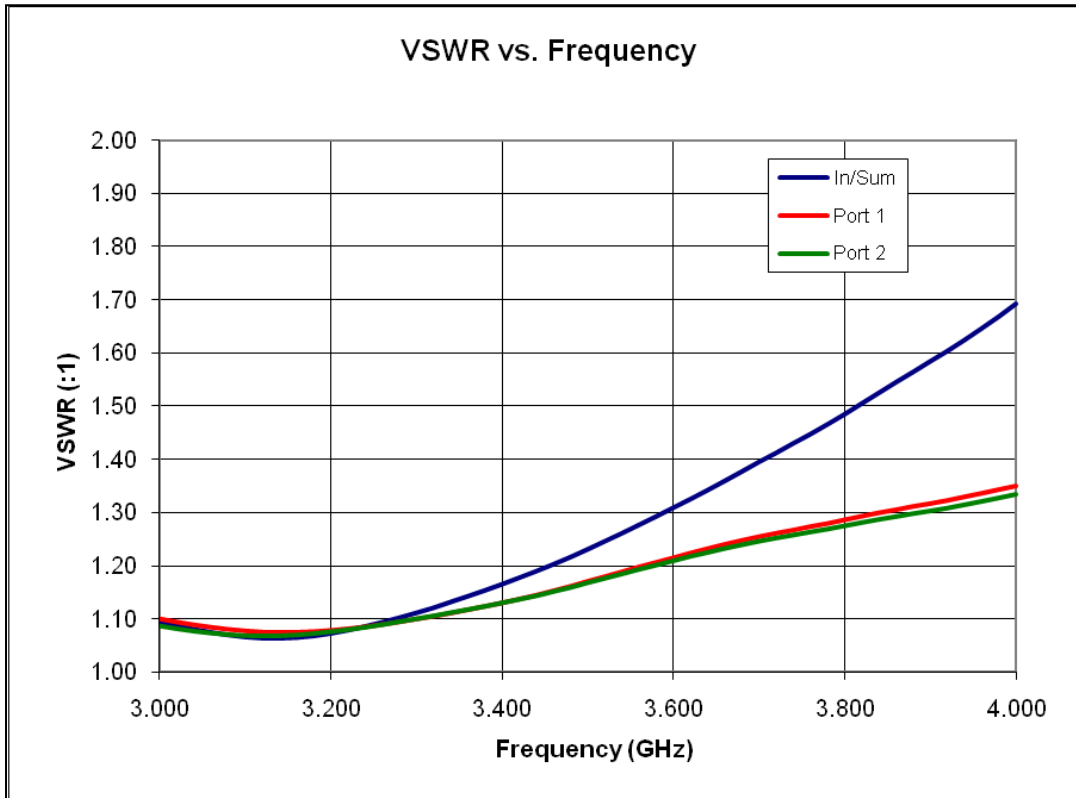
### 3.0 – 4.0 GHz



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### 3.0 – 4.0 GHz



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## 2-Way Power Divider

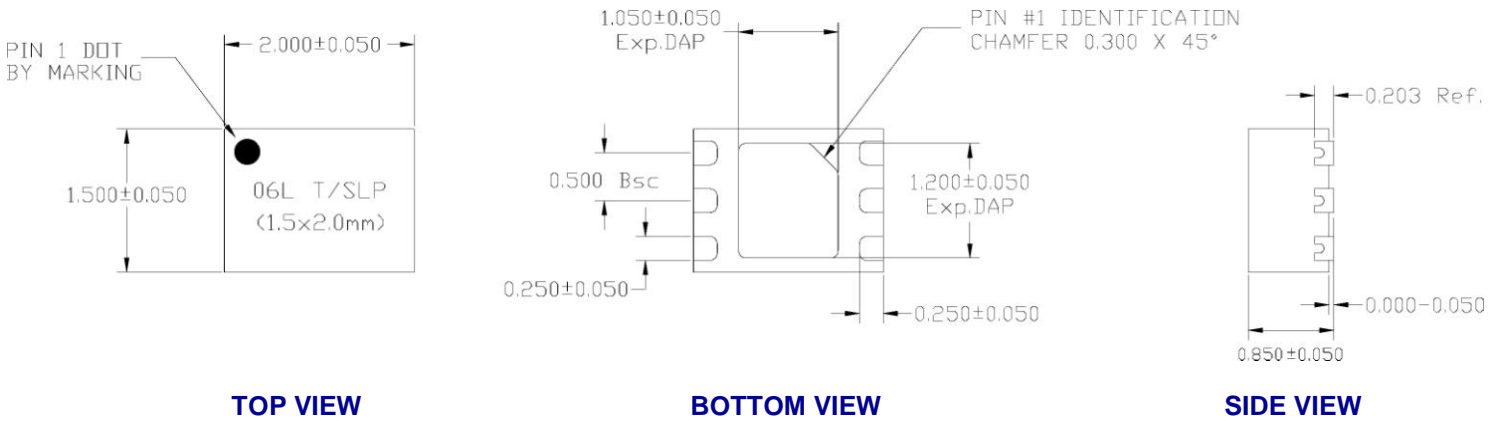
### 3.0 – 4.0 GHz



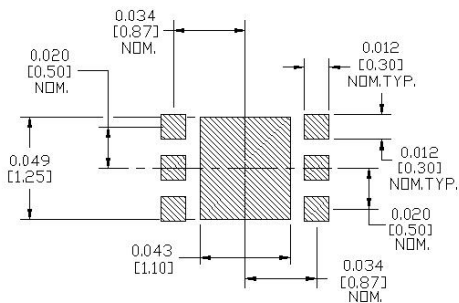
### Absolute Maximum Ratings

Parameter	Specifications
Operating Temperature	-40°C to +85°C
Storage Temperature	-65°C to +150°C
Power Input as a Divider	1.5W
Power Input as a Combiner	0.75W

### Outline Drawing

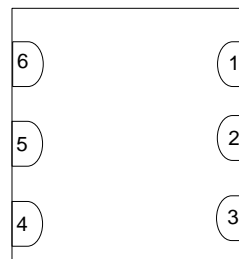


### Land Pattern



**TOP VIEW**  
**SUGGESTED PCB LAND PATTERN**

### Pin Out



**BOTTOM VIEW**

Pin #	Connection
1	GND
2	IN
3	GND
4	OUT
5	GND
6	OUT