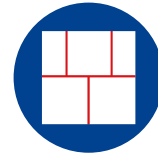


# Data Sheet

## PD1850U03-080

### Power Divider/Combiner

#### 2-Way 0° 50Ω 1.65-2.05 GHz



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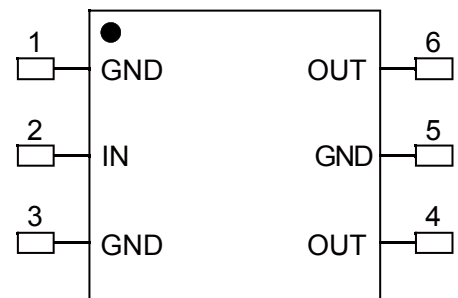
## Features

- Small Size (2×2mm DFN package)
  - No need external 100 Ω resistor
  - Very Low Loss
  - Tight Amplitude Balance
  - High Isolation
  - Low VSWR
  - Good Repeatability
  - Tape & Reel
  - Operating Temperature -40 ~85
- Power handling
- 2 Watts as a divider
  - 1 Watts as a combiner



## Applications

- Wireless communications
- WLAN / WiMax
- SAT Radio
- ISM band instrument
- Information System for Automotive Safety



TOP VIEW

## Electrical Specifications at 25° C

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	F	1650		2050	MHz
Insertion Loss (Above 3dB)	$I_L$		0.35		dB
Isolation	Isol		20		dB
Phase balance	$\theta_{bal}$		$\pm 0.5$		deg
Amplitude balance	$A_{bal}$		$\pm 0.1$		dB
Input VSWR			1.2		
Output VSWR			1.2		

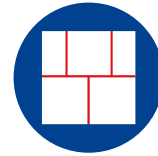
## Yantel Corporation

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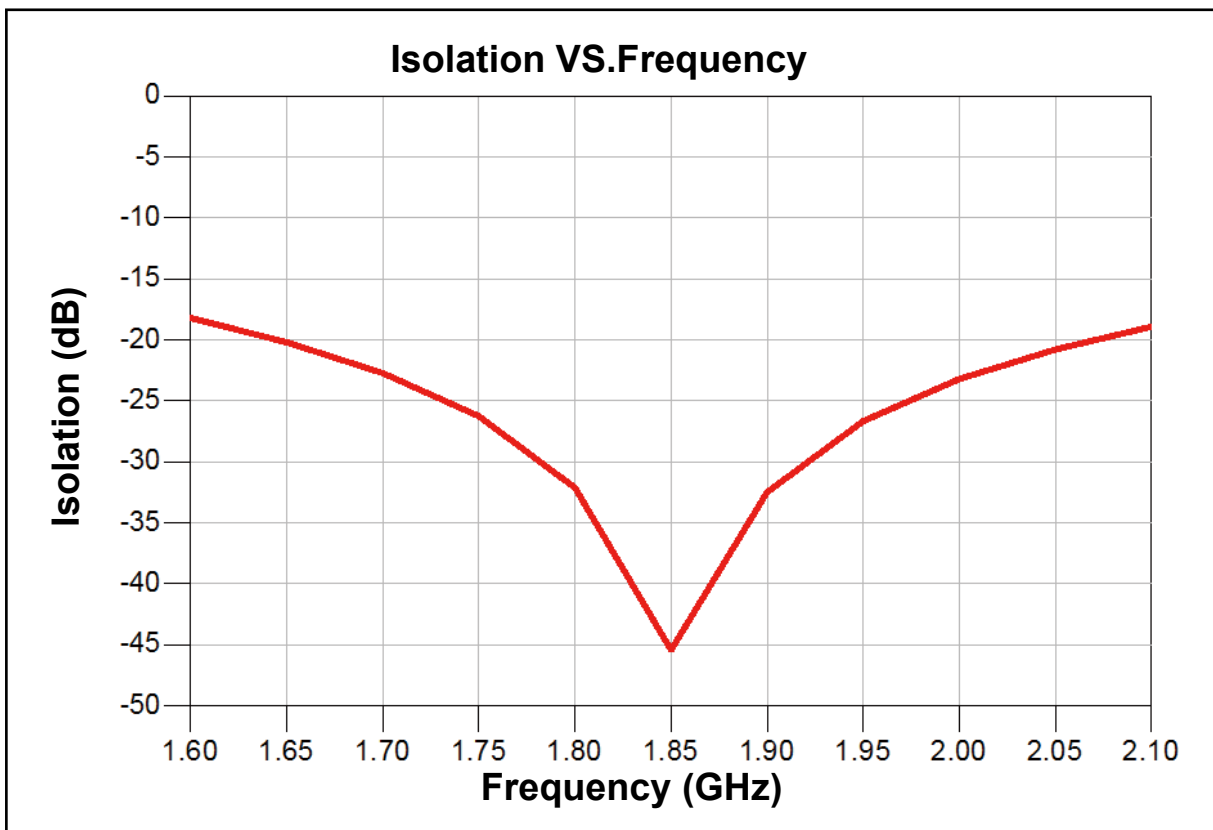
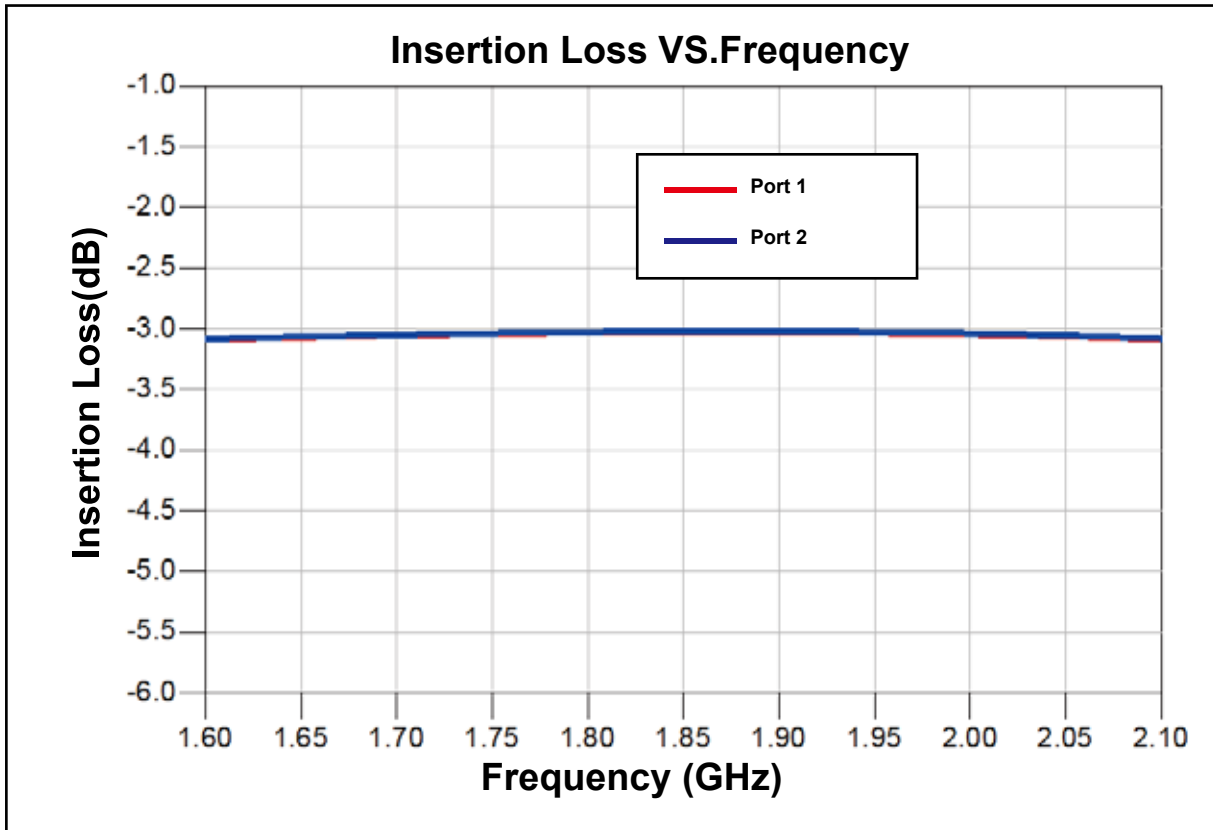
Tel : 86-755-8355-1886 Fax : 86-755-8355-2533

For detailed performance specs & shopping online see Yantel web site : [www.yantel-corp.com](http://www.yantel-corp.com)

**Data Sheet**  
**PD1850U03-080**  
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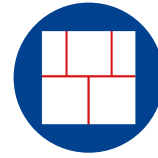
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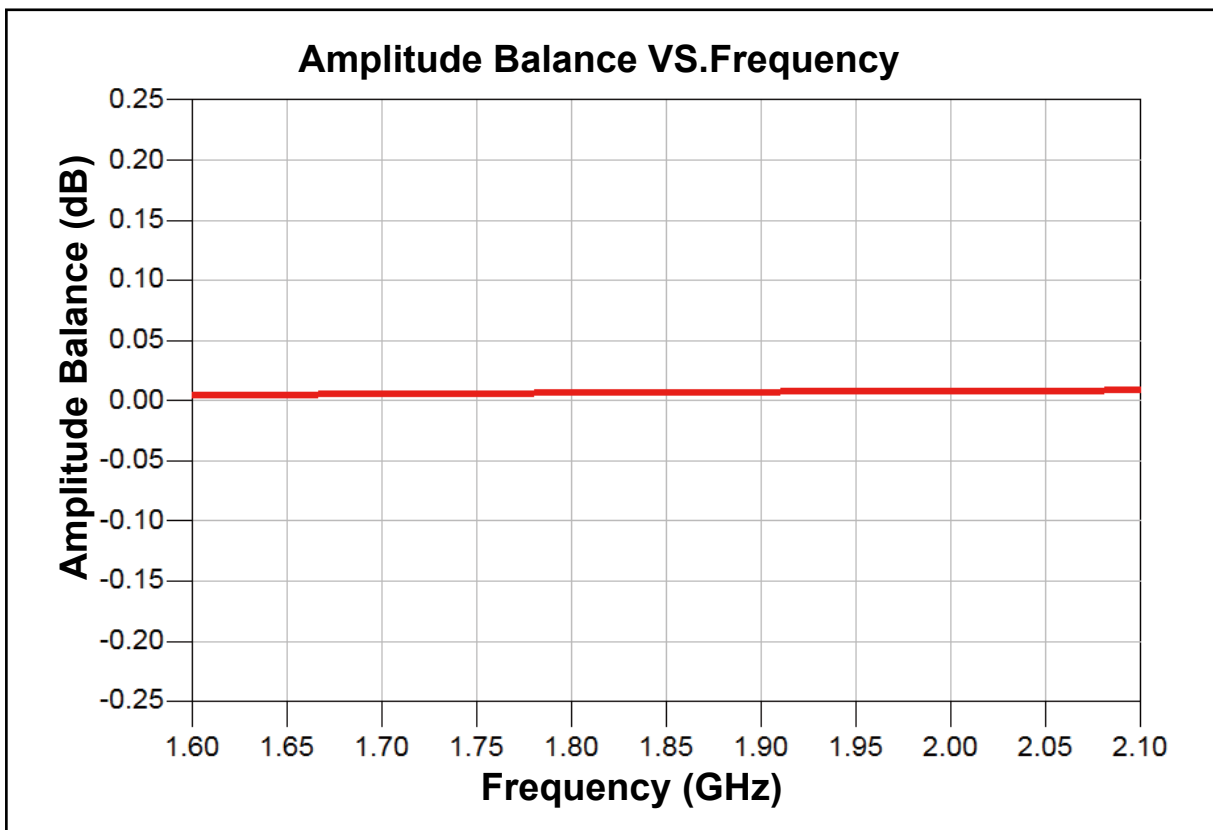
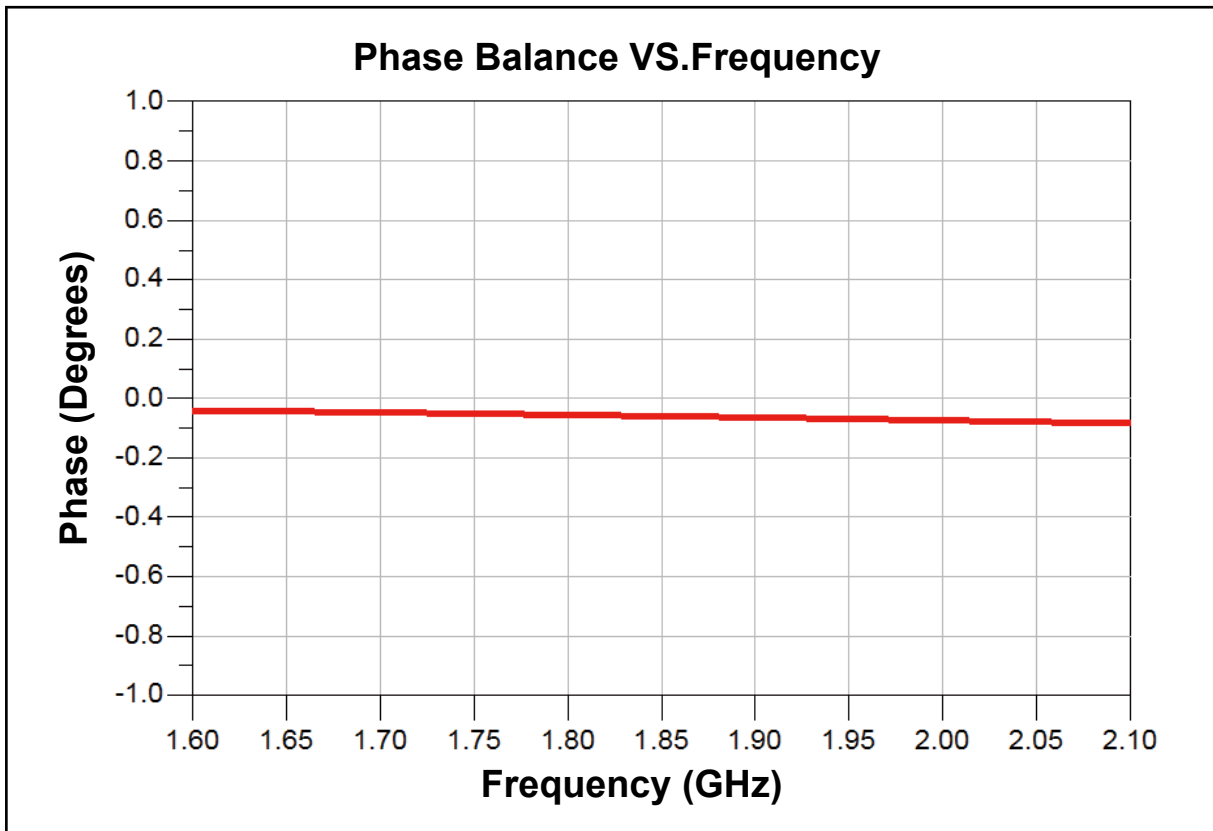
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Power Divider/Combiner  
2-Way 0° 50Ω 1.65-2.05 GHz



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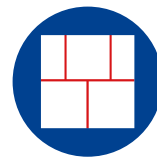
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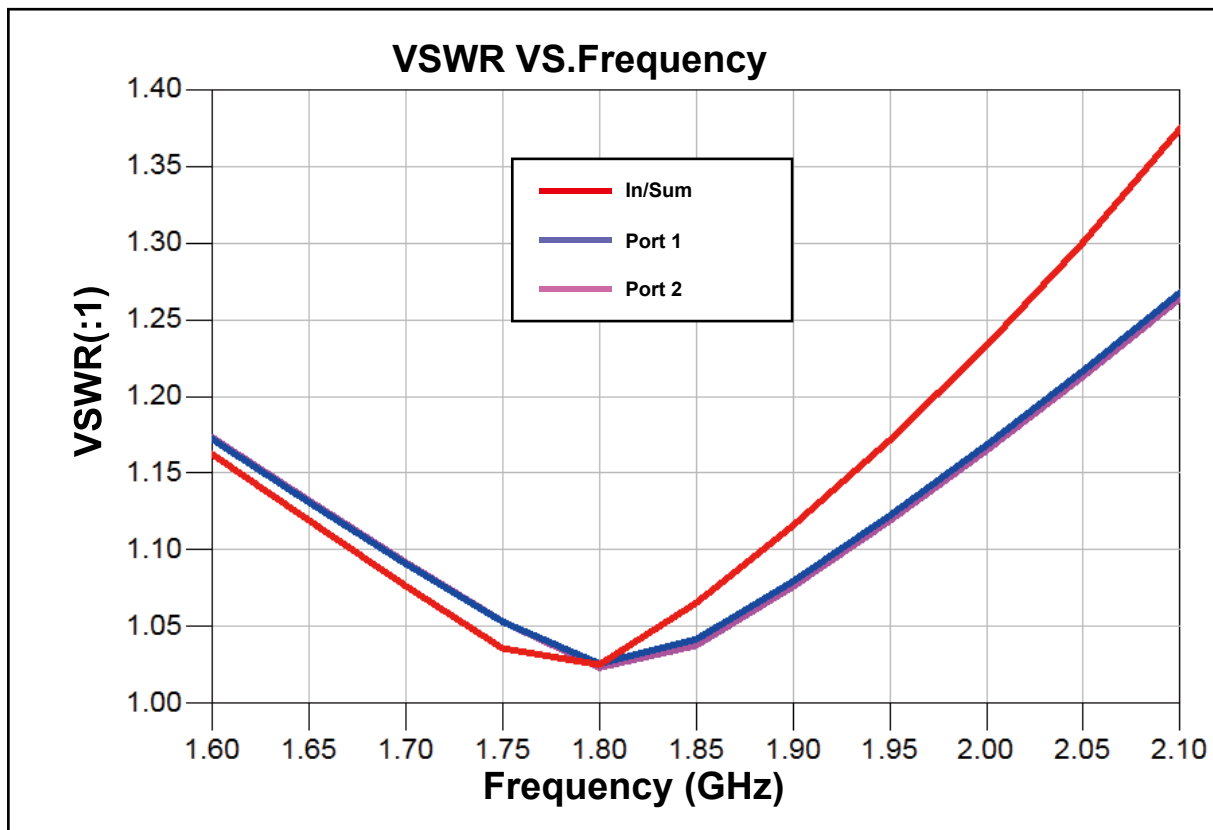
# Data Sheet

## PD1850U03-080

Power Divider/Combiner  
2-Way 0° 50Ω 1.65-2.05 GHz



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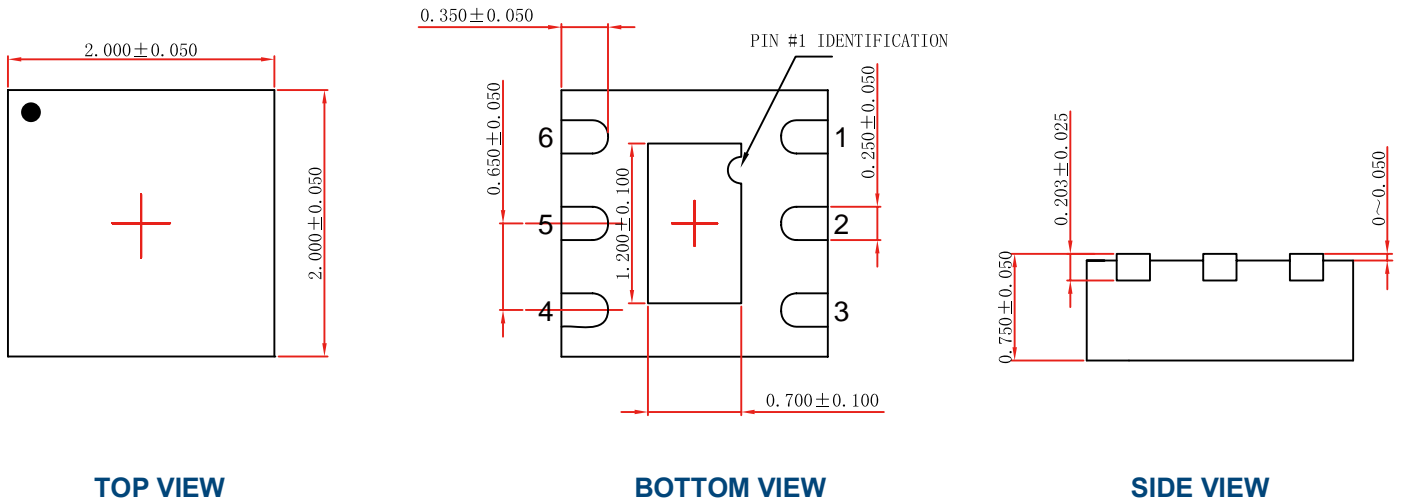
## PD1850U03-080

### Power Divider/Combiner

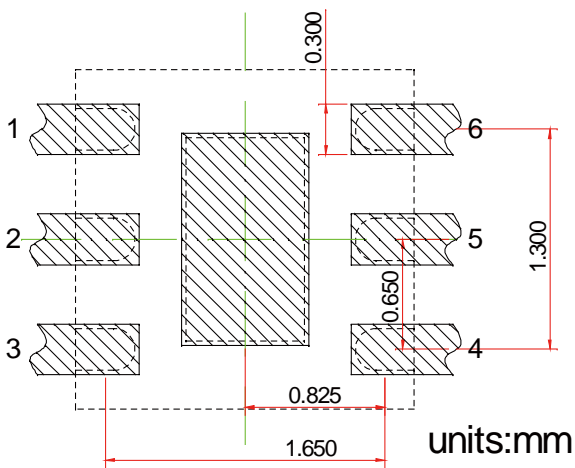
### 2-Way 0° 50Ω 1.65-2.05 GHz



## Outline Drawing



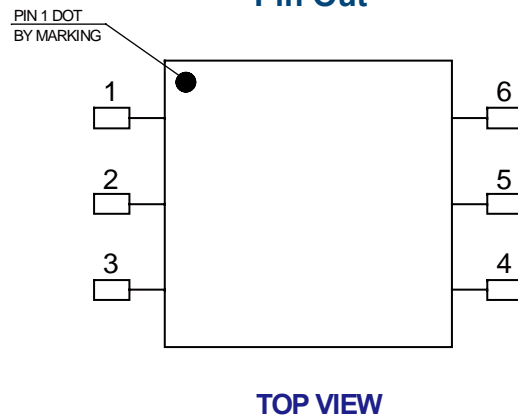
## Land Pattern



## Recommended Land Pattern Top View

Notes: All dimensions show in millimeters

## Pin Out



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

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