

# PD0500U03-M1

## Power Divider/Combiner

### 2-Way 0° 50Ω 280-610 MHz



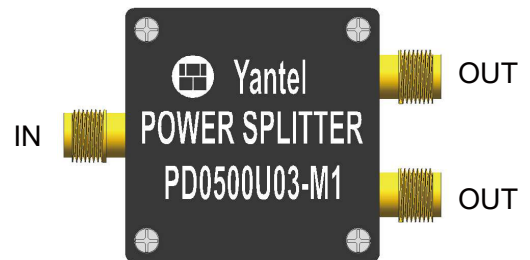
### Features

- Very Low Loss
- Tight Amplitude Balance
- High Isolation
- Low VSWR
- Good Repeatability
- Operating Temperature -40°C~85°C
- Power handling
  - 2 Watts as a divider
  - 1 Watts as a combiner
- SMA connector



### Applications

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



### Electrical Specifications at 25° C

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	F	280		610	MHz
Insertion Loss (Above 3dB)	$I_L$		0.6		dB
Isolation	Isol		10		dB
Phase balance	$\theta_{bal}$		$\pm 0.5$		deg
Amplitude balance	$A_{bal}$		$\pm 0.1$		dB
Input VSWR			1.4	1.6	
Output VSWR			1.2	1.3	

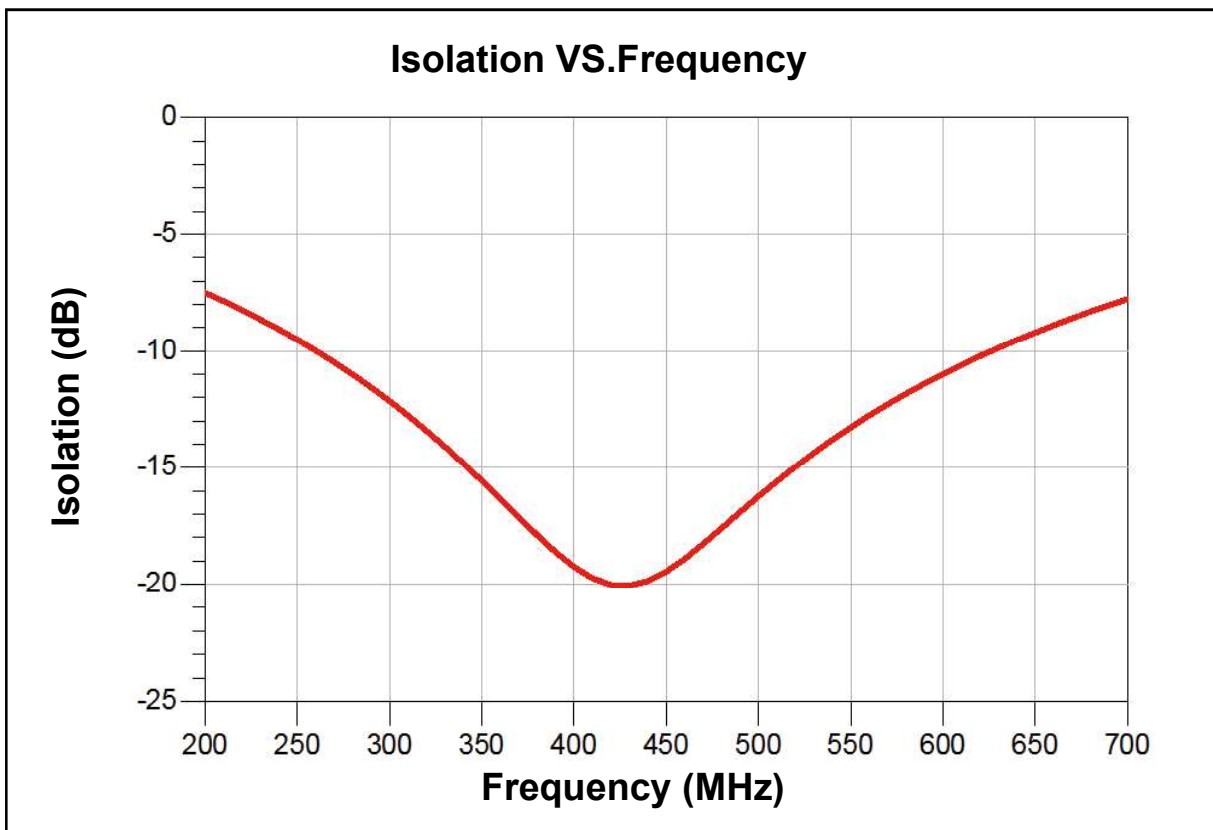
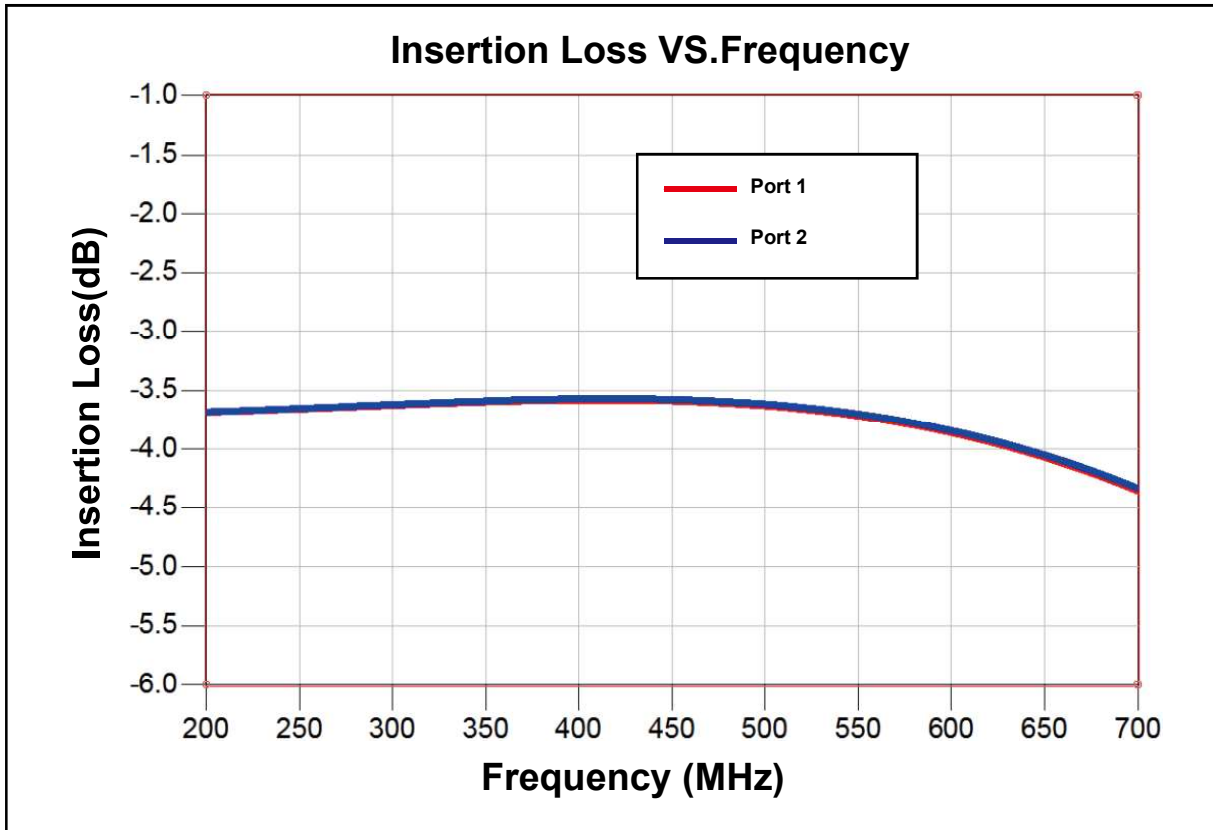
### Yantel Corporation

Add: 3F, Building 3, Southern District 2 of Zhongguan Honghualing Industrial Park, Xili, Nanshan, Shenzhen, China

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)

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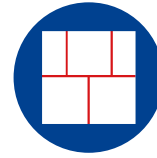
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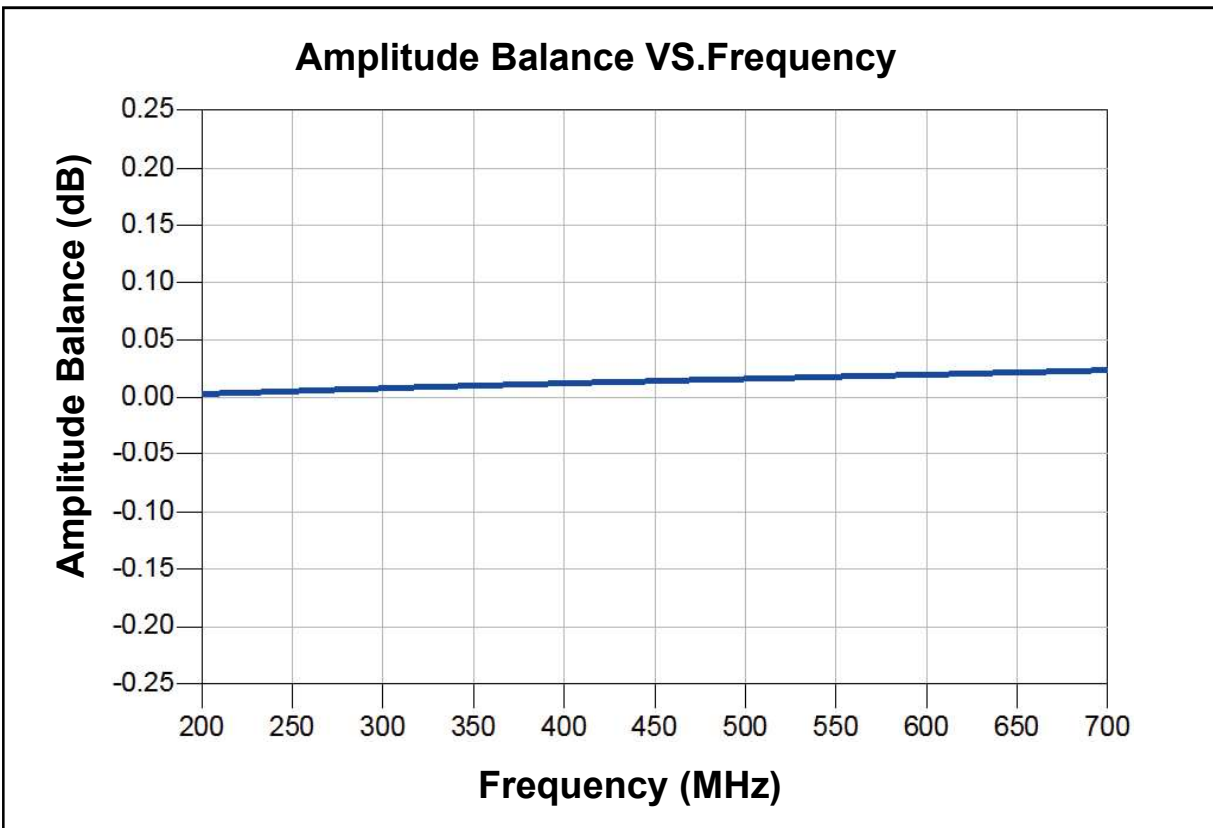
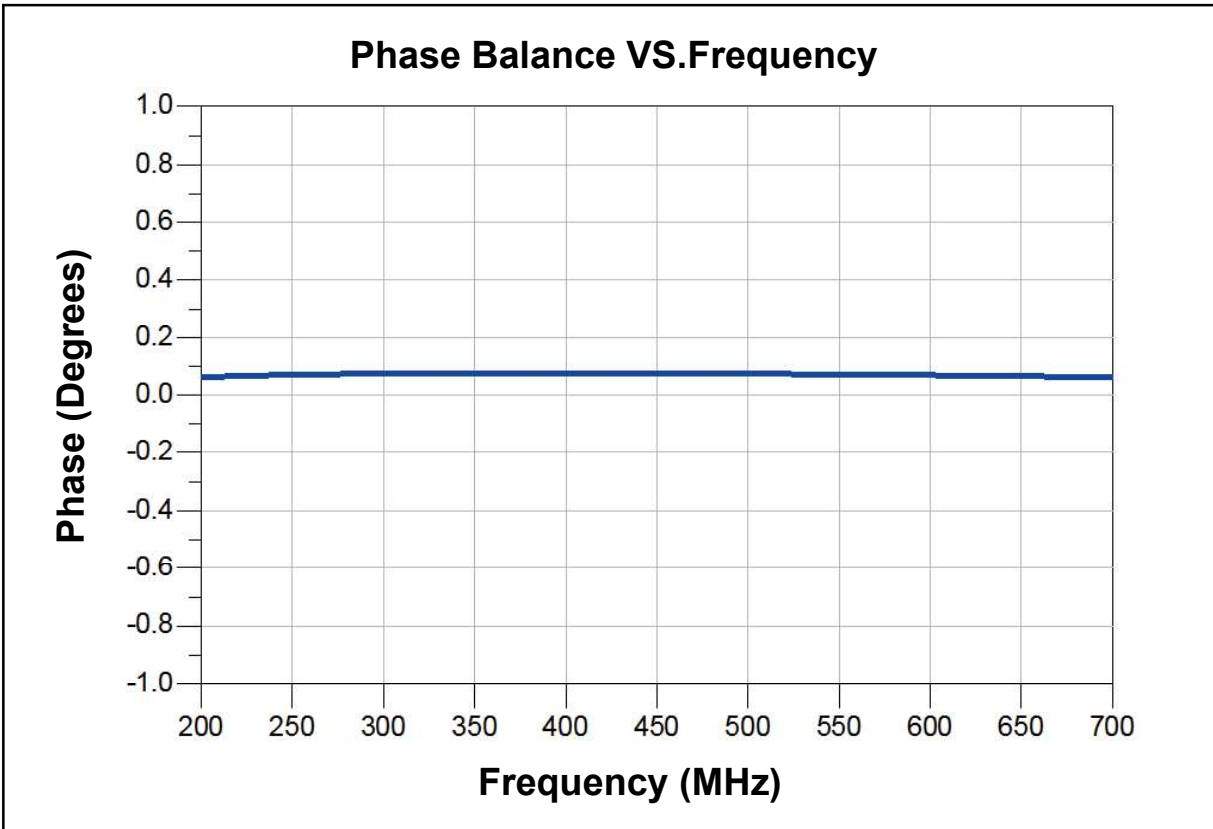
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**Yantel**  
*Key Patents Lead Microwave Tech*



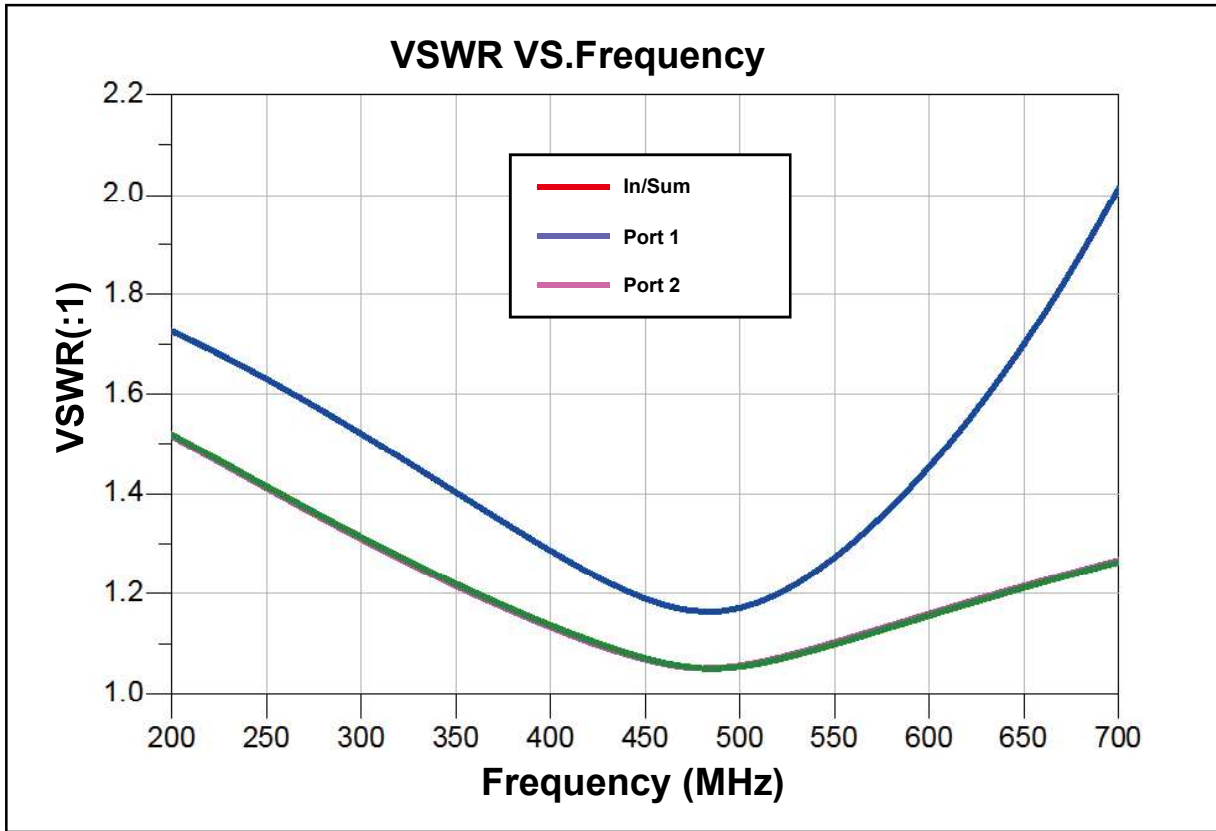
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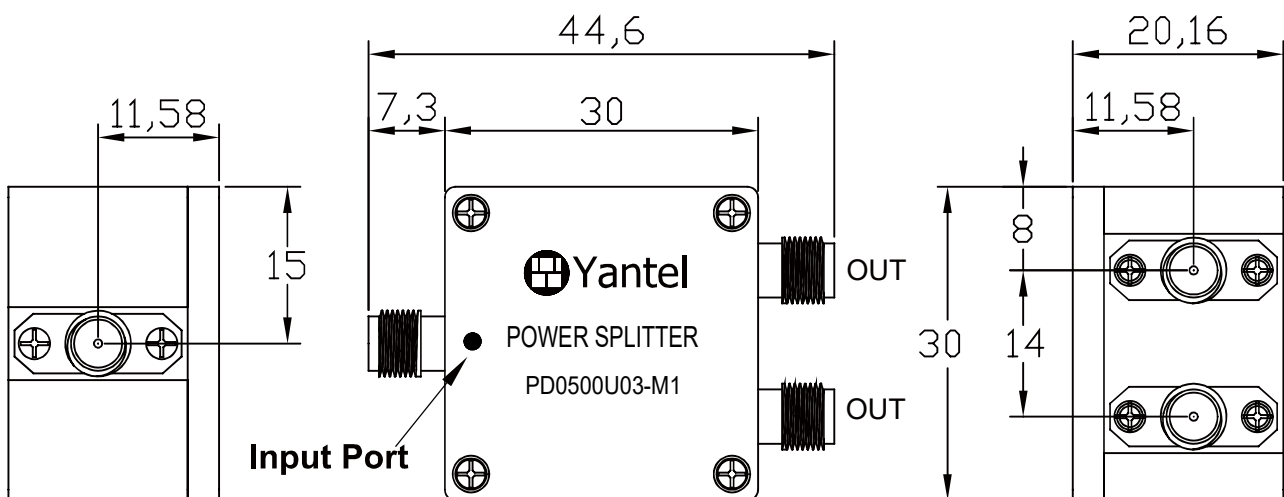
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**Outline Drawing**



**NOTE:**

- 1.All dimensions shown in mm(tolerance: +/-0.05) unless stated otherwise
- 2.RoHs Compliant in accordance with EU Directive(2002/95/EC)

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