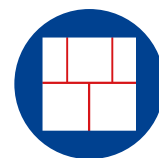


PD0500U03-M1

Power Divider/Combiner

2-Way 0° 50Ω 280-610 MHz

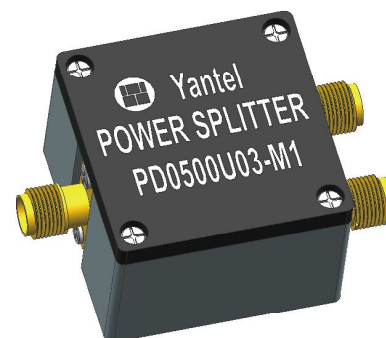


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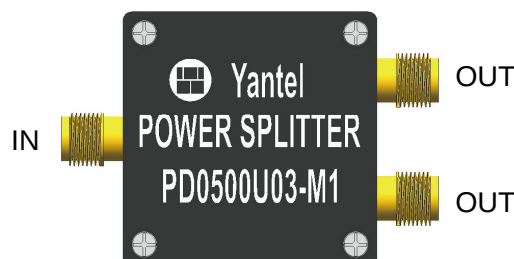
Features

- 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	θ_{bal}		± 0.5		deg
Amplitude balance	A_{bal}		± 0.1		dB
Input VSWR			1.4	1.6	
Output VSWR			1.2	1.3	

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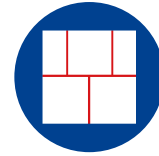
Tel: 86-755-8355-1886 Fax: 86-755-8355-2533

For detailed performance specs & shopping online see Yantel web site : www.yantel-corp.com

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Power Divider/Combiner

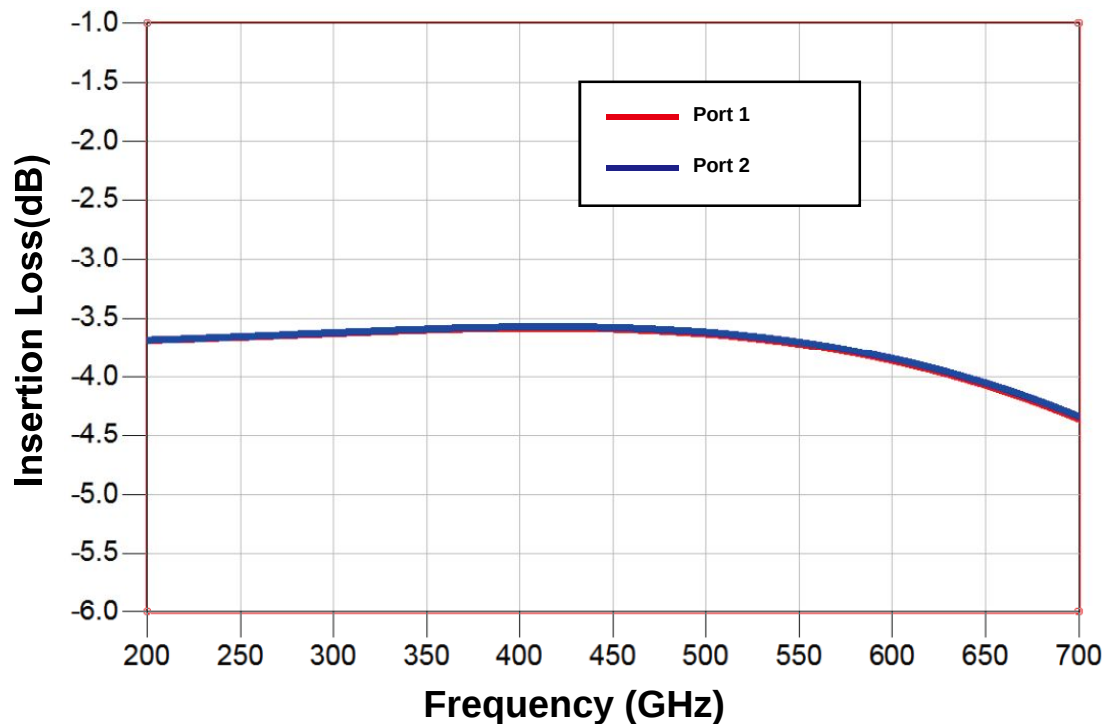
2-Way 0° 50Ω 280-610 MHz



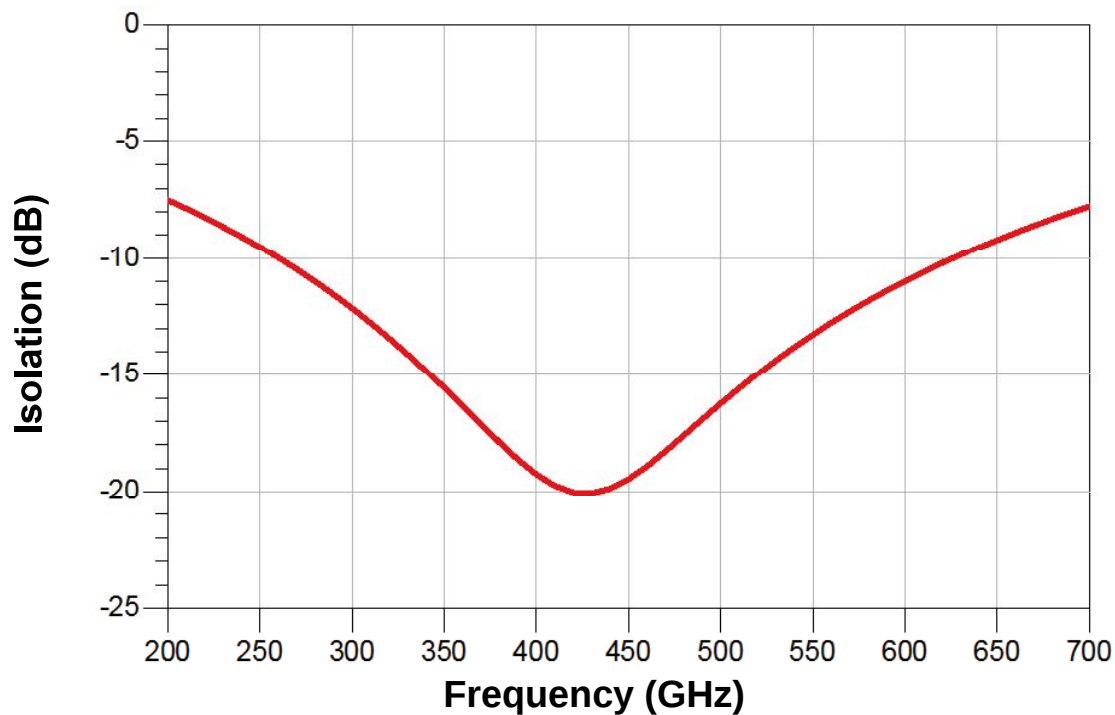
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Insertion Loss VS.Frequency



Isolation VS.Frequency



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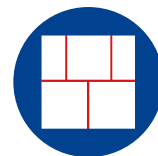
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Power Divider/Combiner

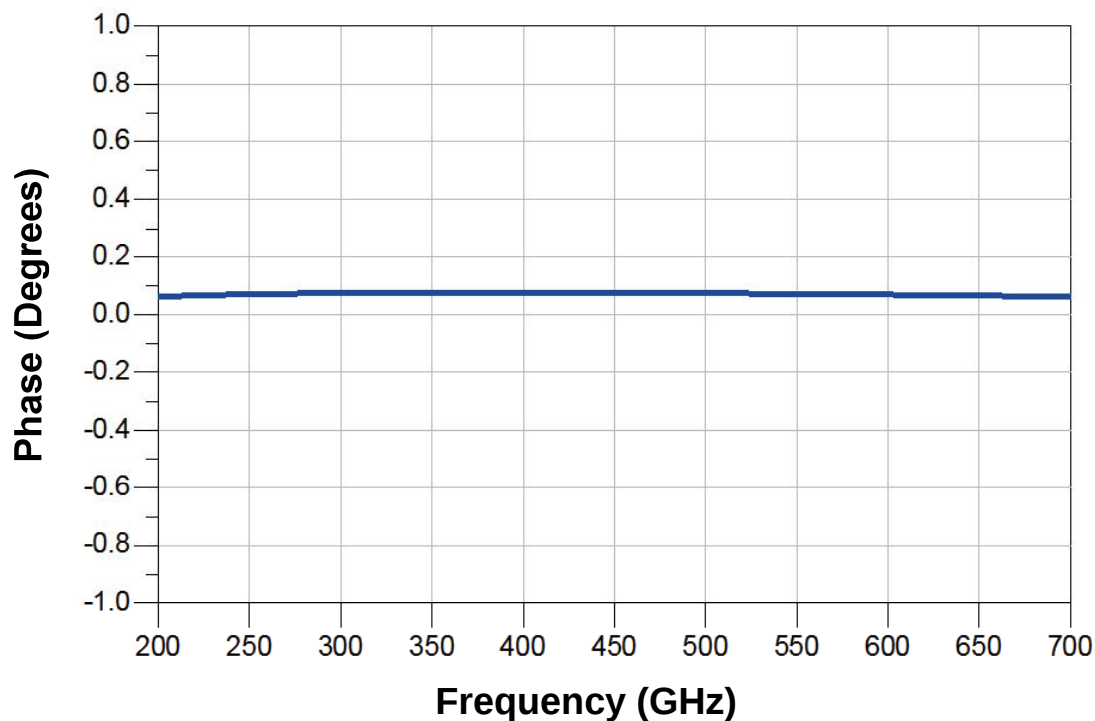
2-Way 0° 50Ω 280-610 MHz



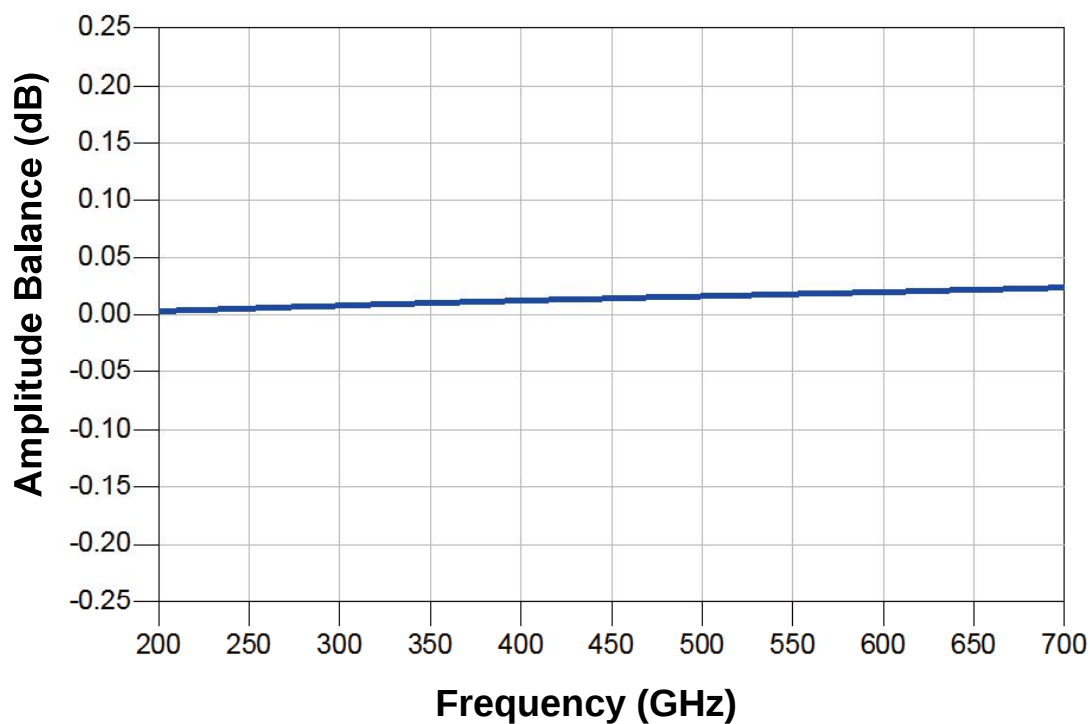
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Phase Balance VS.Frequency



Amplitude Balance VS.Frequency



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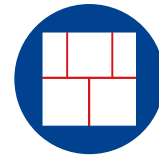
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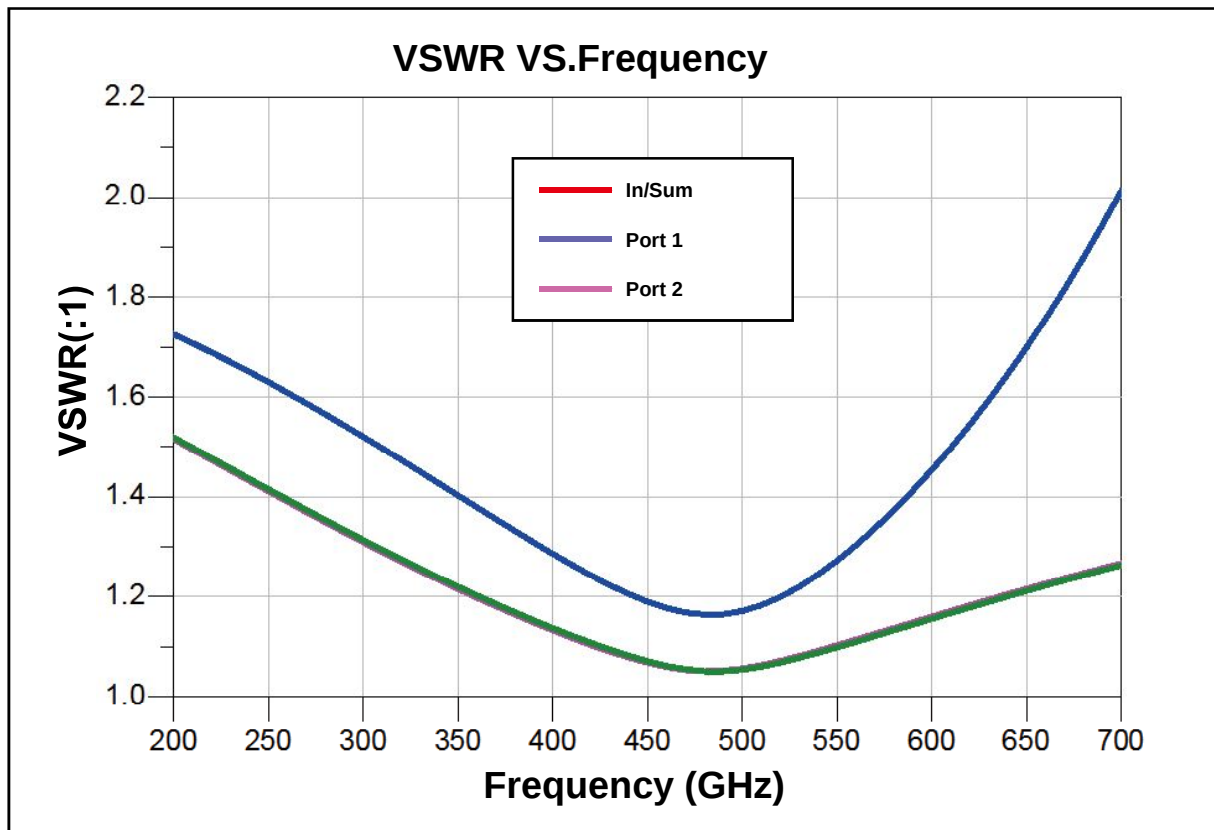
Power Divider/Combiner

2-Way 0° 50Ω 280-610 MHz

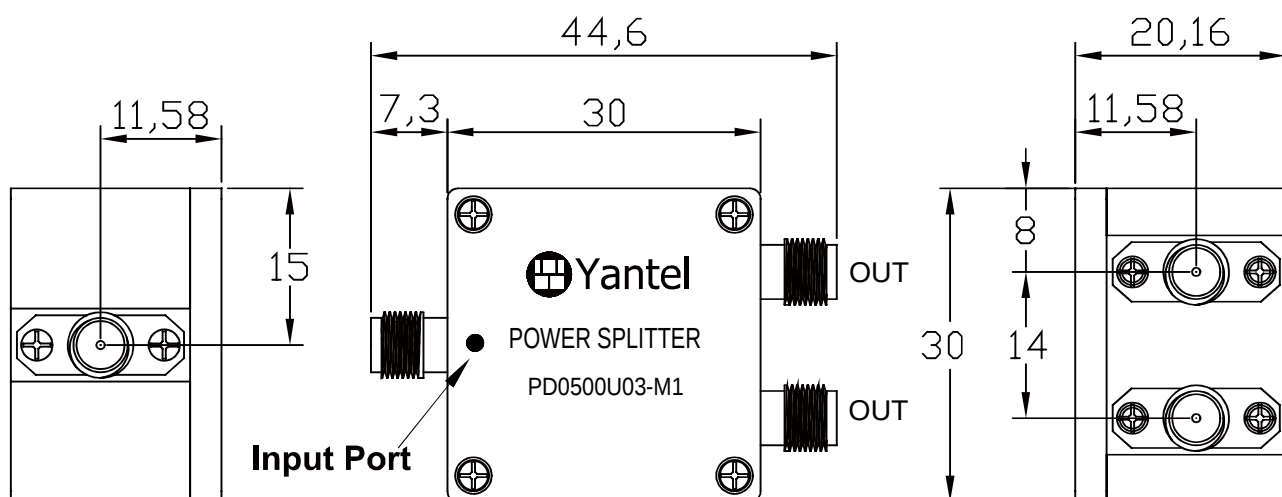


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Outline Drawing



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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