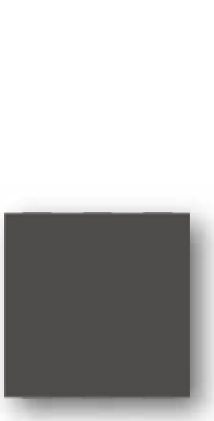
Data Sheet
PD0500U03-210
Power Divider/Combiner
2-Way 0° 50Ω 280-610 MHz

Yantel
Key Patents Lead Microwave Tech

Features

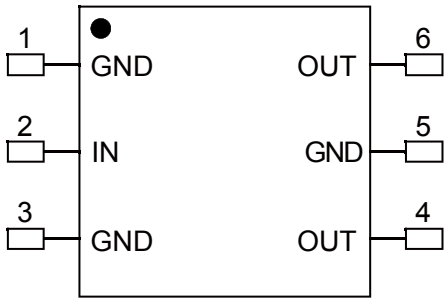
- Small Size (2×2mm DFN package)
- No need external 100 Ω resistor
- Very Low Loss
- Tight Amplitude Balance
- High Isolation
- Low VSWR
- Good Repeatability
- Tape & Reel
- Operating Temperature -40°C~85°C
  Power handling
  - 2 Watts as a divider
  - 1 Watts as a combiner



RoHS

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	280		610	MHz
Insertion Loss (Above 3dB)	I_L		0.6		dB
Isolation	Isol		10		dB
Phase balance	$ø_{bal}$		±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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For detailed performance specs & shopping online see Yantel web site : www.yantel-corp.com

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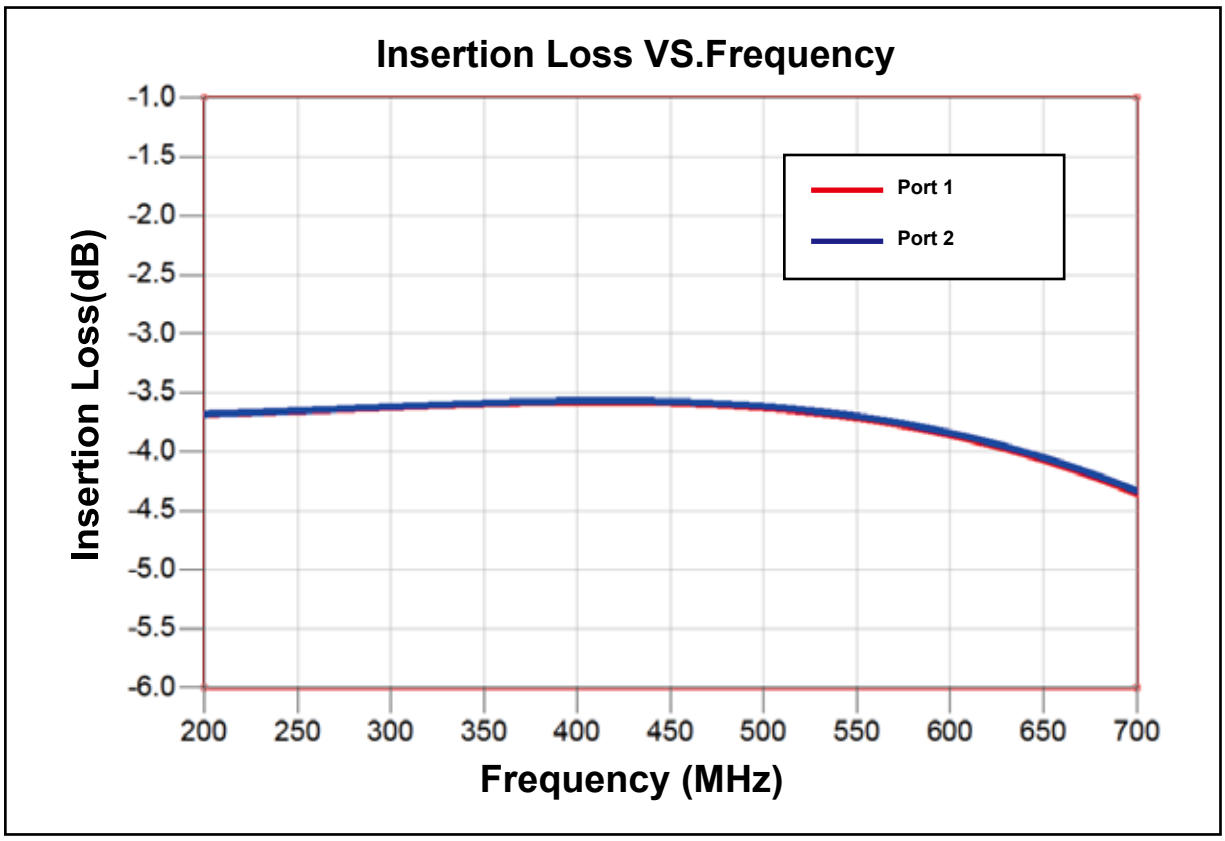

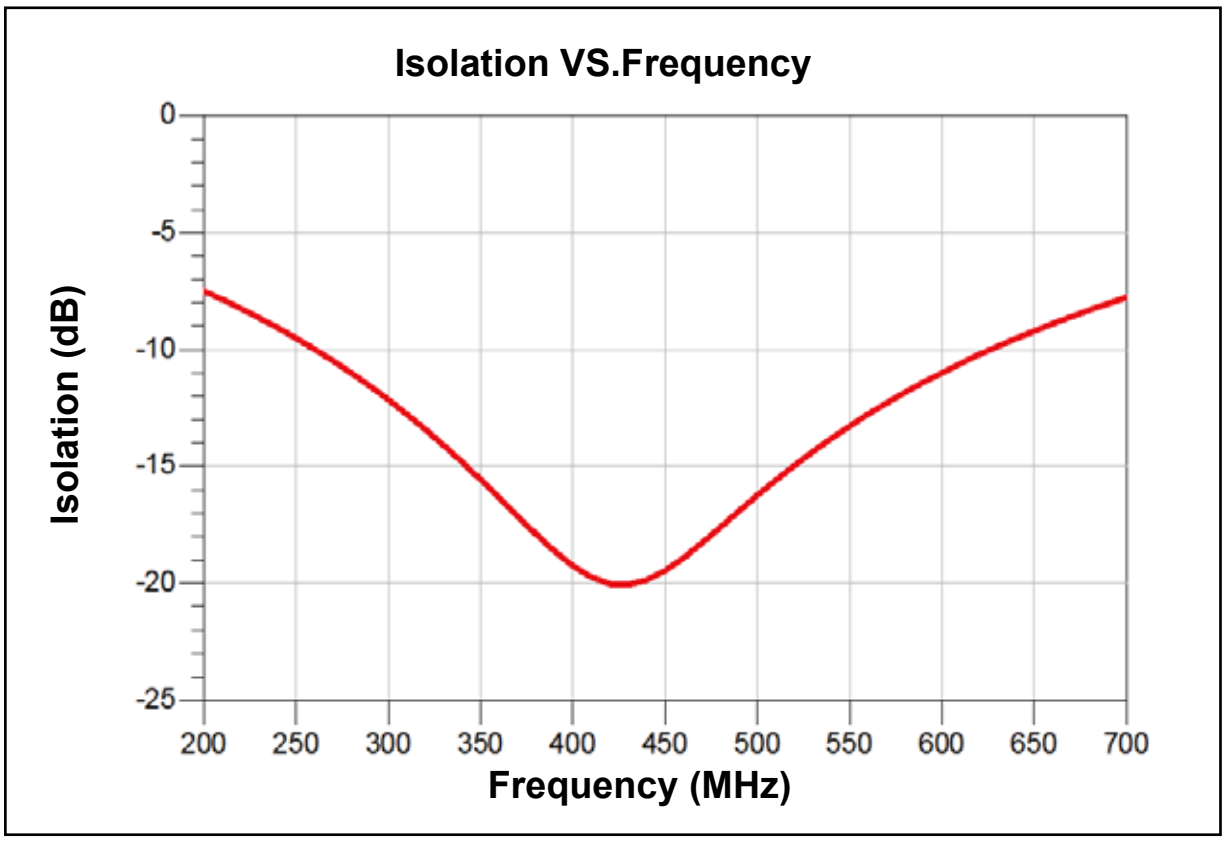

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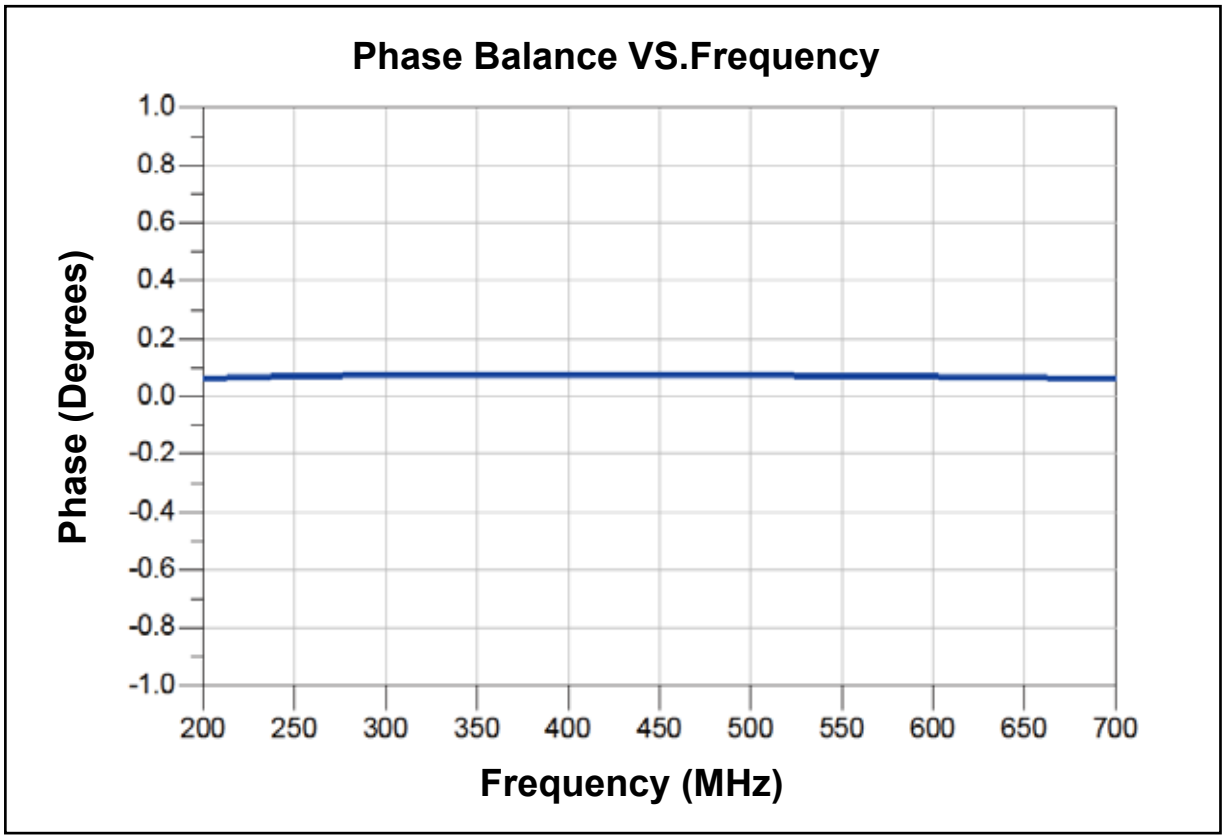

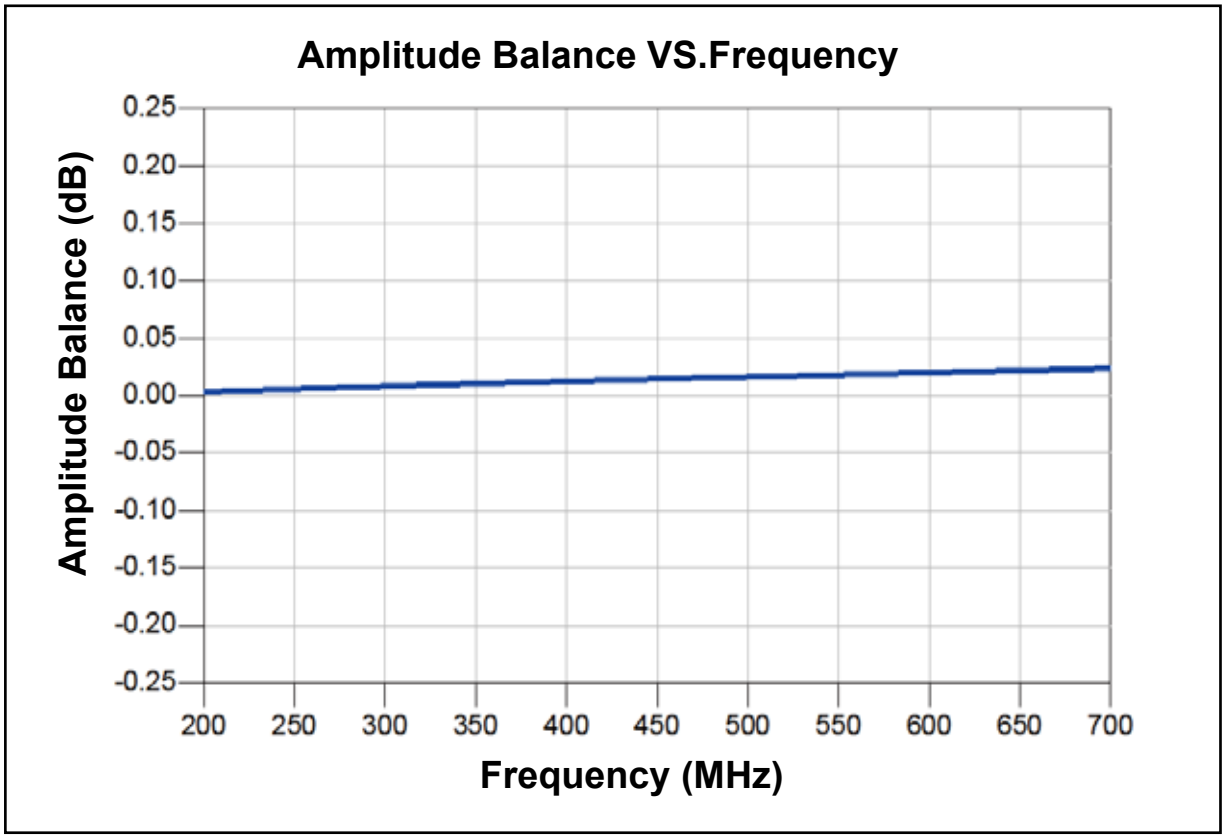

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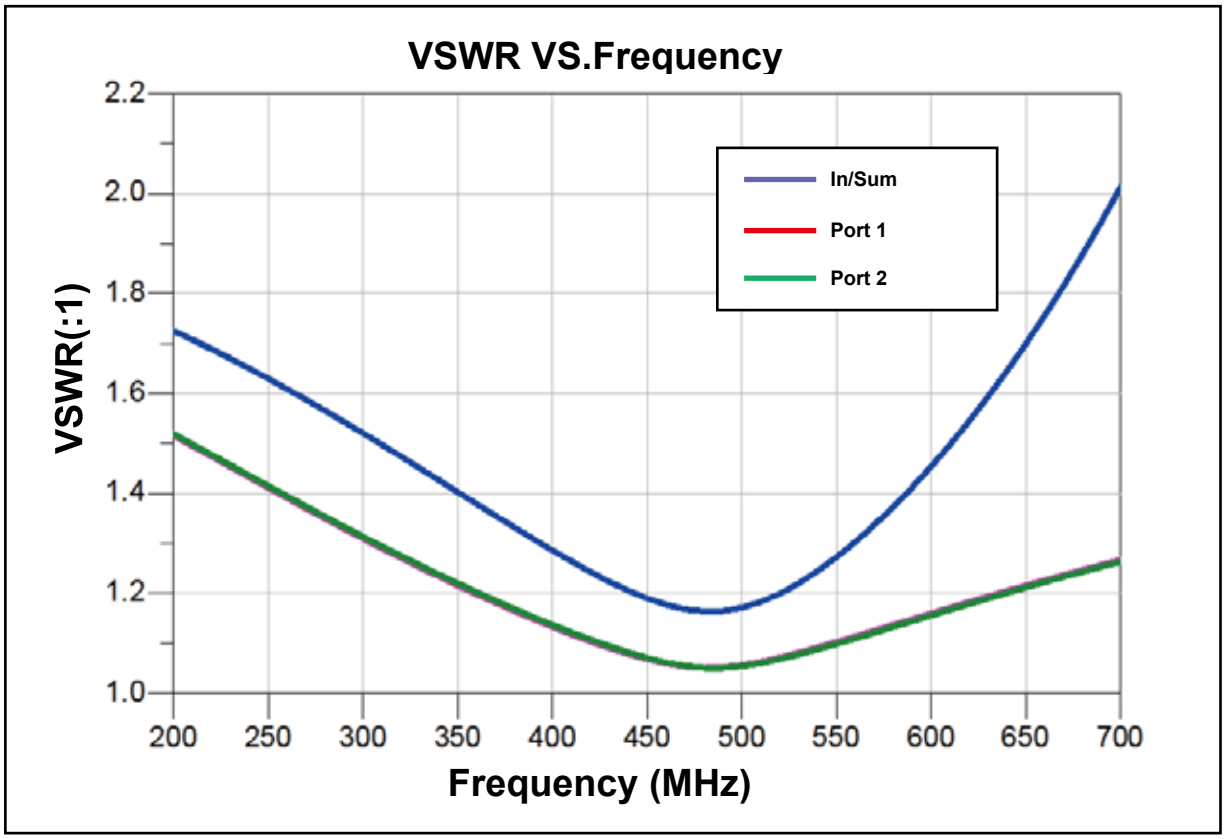

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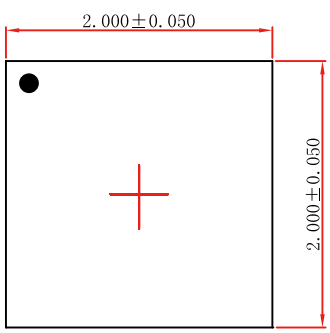
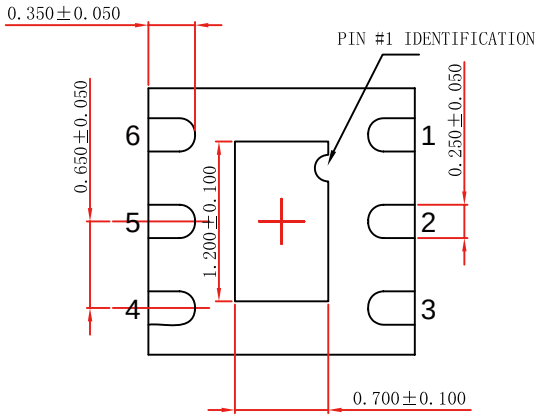
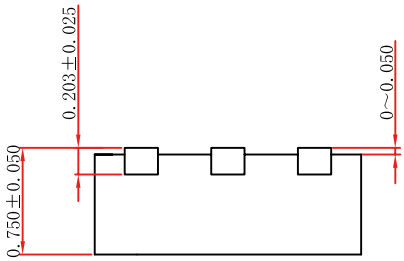
Outline Drawing



TOP VIEW

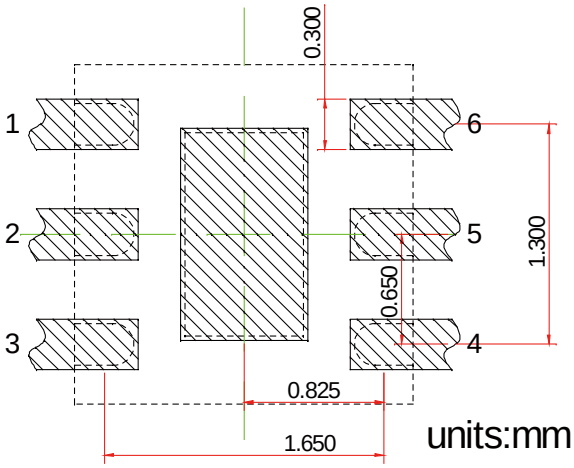


BOTTOM VIEW



SIDE VIEW

Land Pattern

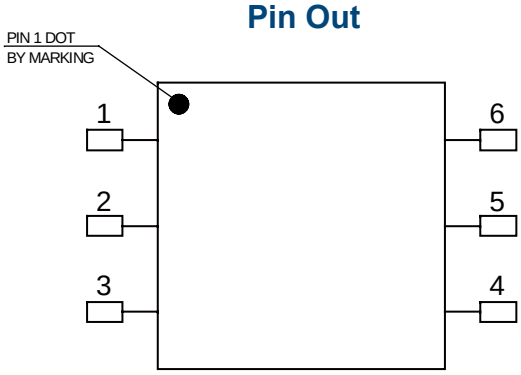


units:mm

Recommended Land Pattern
Top View

Notes: All dimensions show in millimeters

Pin Out



TOP VIEW

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

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