



# PD0715U03W

## Preliminary Datasheet

Power Divider/Combiner

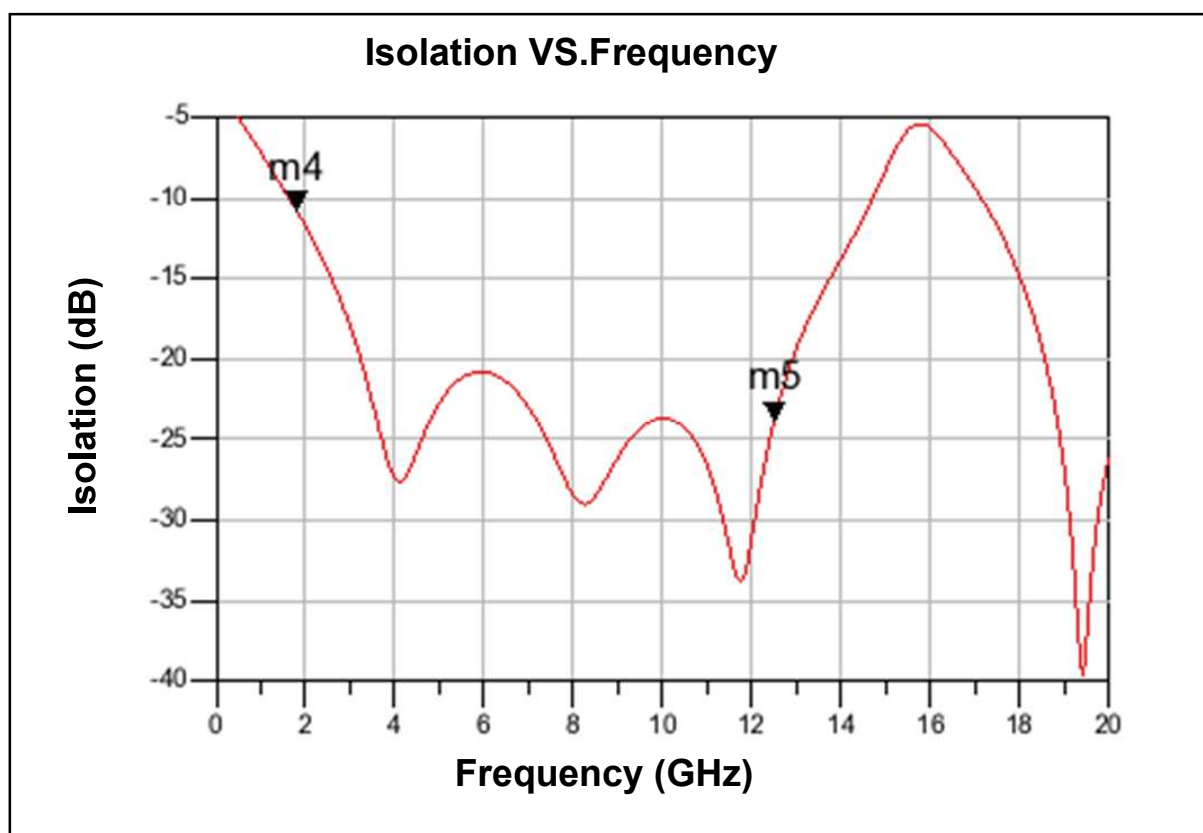
2-Way 0° 50Ω 1.8-12.5 GHz



### Electrical Specifications at 25° C

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	F	1.8		12.5	GHz
Insertion Loss (Above 3dB)	$I_L$		1.0	2.0	dB
Isolation	Isol	10	20		dB
Phase balance	$\phi_{bal}$		3	5	deg
Amplitude balance	$A_{bal}$		$\pm 0.2$	$\pm 0.4$	dB
Input VSWR			1.45		
Output VSWR			1.45		

### Typical Performance (25°C: 1.8-12.5 GHz)



### 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

Rev A1.0

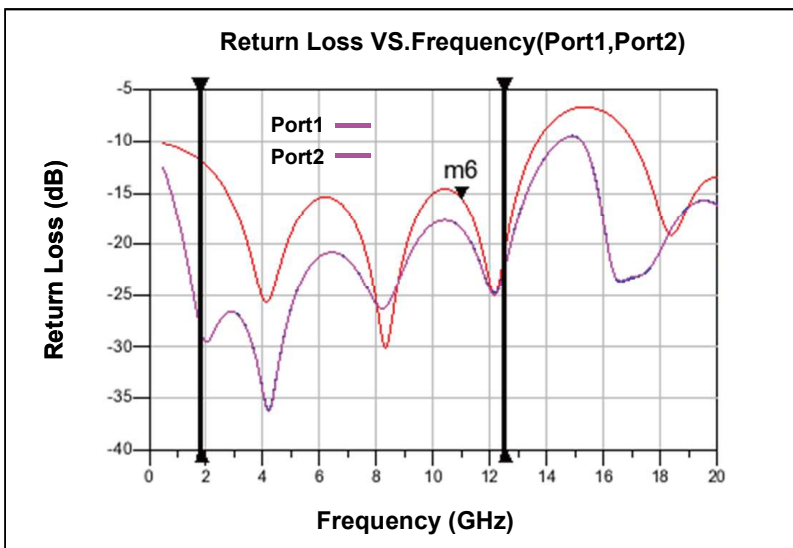
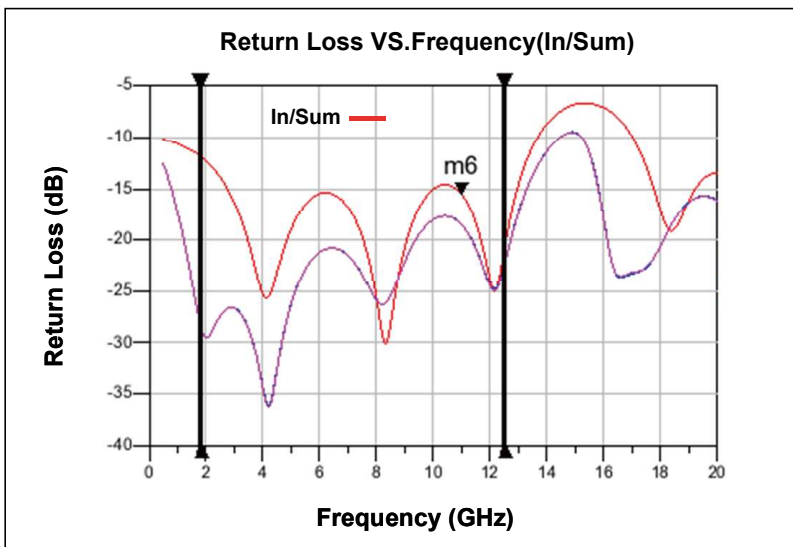
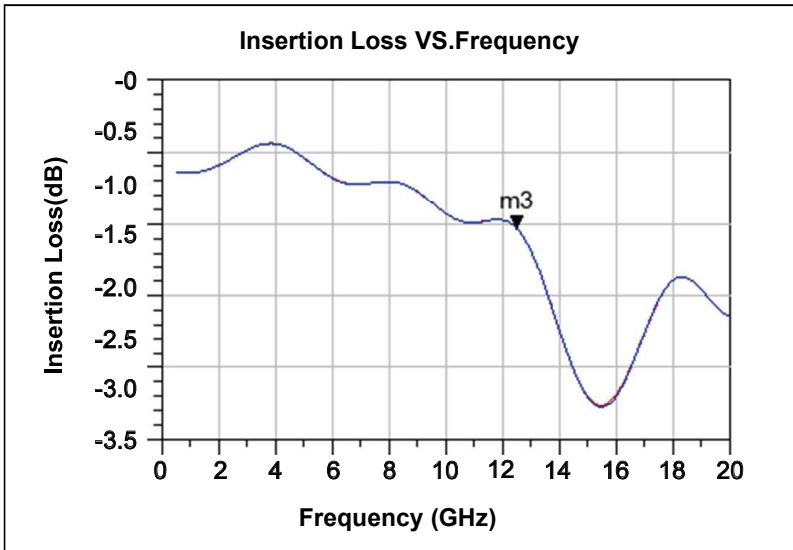
For detailed performance specs & shopping online see Yantel web site : [www.yantel-corp.com](http://www.yantel-corp.com)

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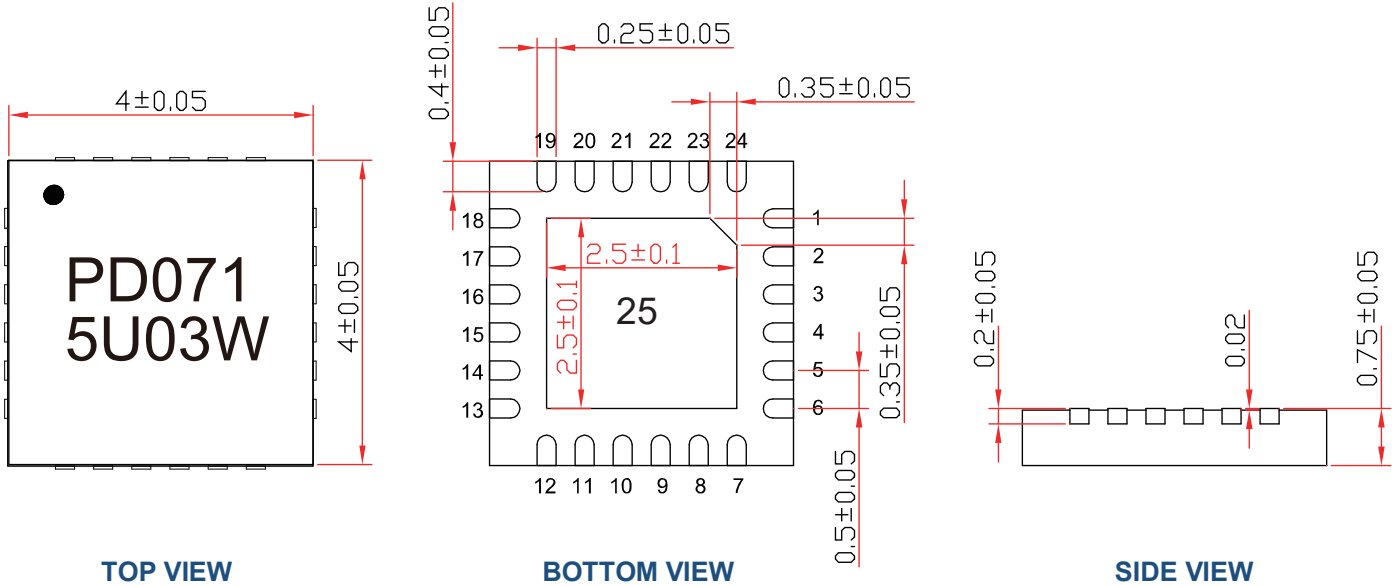
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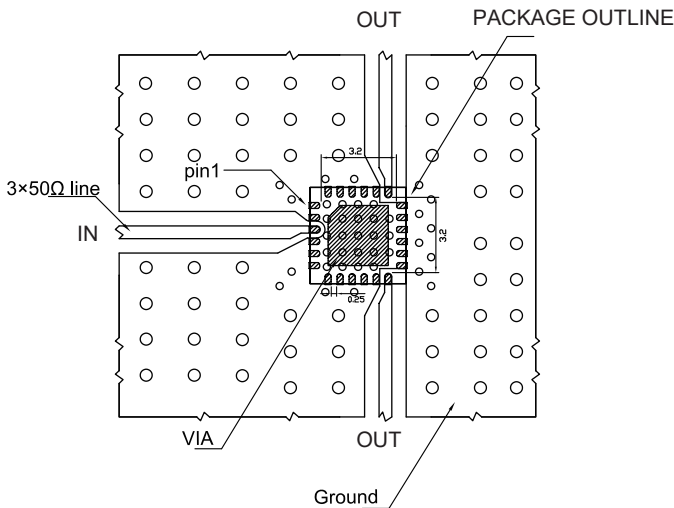
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### Outline Drawing units:mm



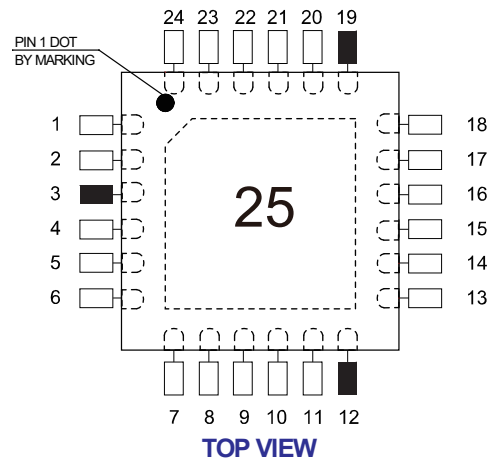
### Land Pattern



#### NOTE:

- 50Ω line width is shown above designing from RO4350B dielectric thickness 0.254mm; copper 1/2 OZ
- Bottom side of the PCB is continuous ground plane.
- All dimensions shown in mm.

### Pin Out



#### Notes:

- Require to add Capacitors of DC Blocker between Pins(with black color) and external circuit to prevent DC signal entry to guarantee parts normal work.
- This part has passed through 100% RF test.

Pin #	Connection	Pin #	Connection
1	GND	13	GND
2	GND	14	GND
3	IN	15	GND
4	GND	16	GND
5	GND	17	GND
6	GND	18	GND
7	GND	19	OUT
8	GND	20	GND
9	GND	21	GND
10	GND	22	GND
11	GND	23	GND
12	OUT	24	GND
		25	GND

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