

Data Sheet

PD1500U03W

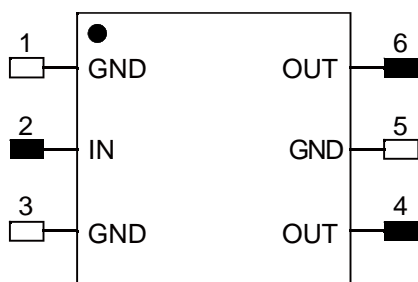
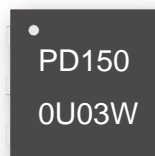
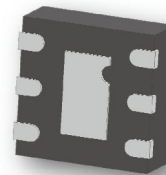
Power Divider/Combiner

2-Way 0° 50Ω 1.0-2.0 GHz



Features

- Small Size (2x2mm 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



TOP VIEW

Applications

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

Notes:

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

Electrical Specifications at 25° C

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	FR	1000		2000	MHz
Insertion Loss (Above 3dB)	IL		0.7@FR		dB
Isolation	Isol	10@FR	18@FR		
Phase balance	Φ bal		±1.2		deg
Amplitude balance	Abal		±0.1		dB
Input VSWR			1.35@FR		
Output VSWR			1.25@FR		

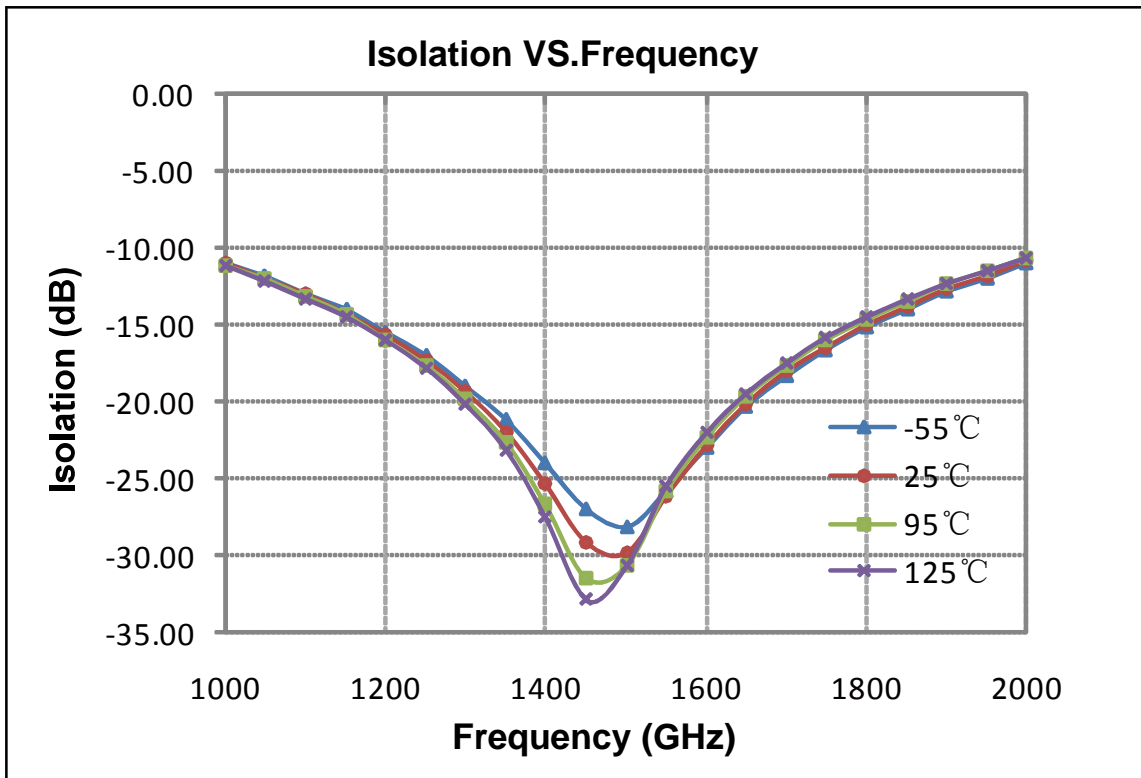
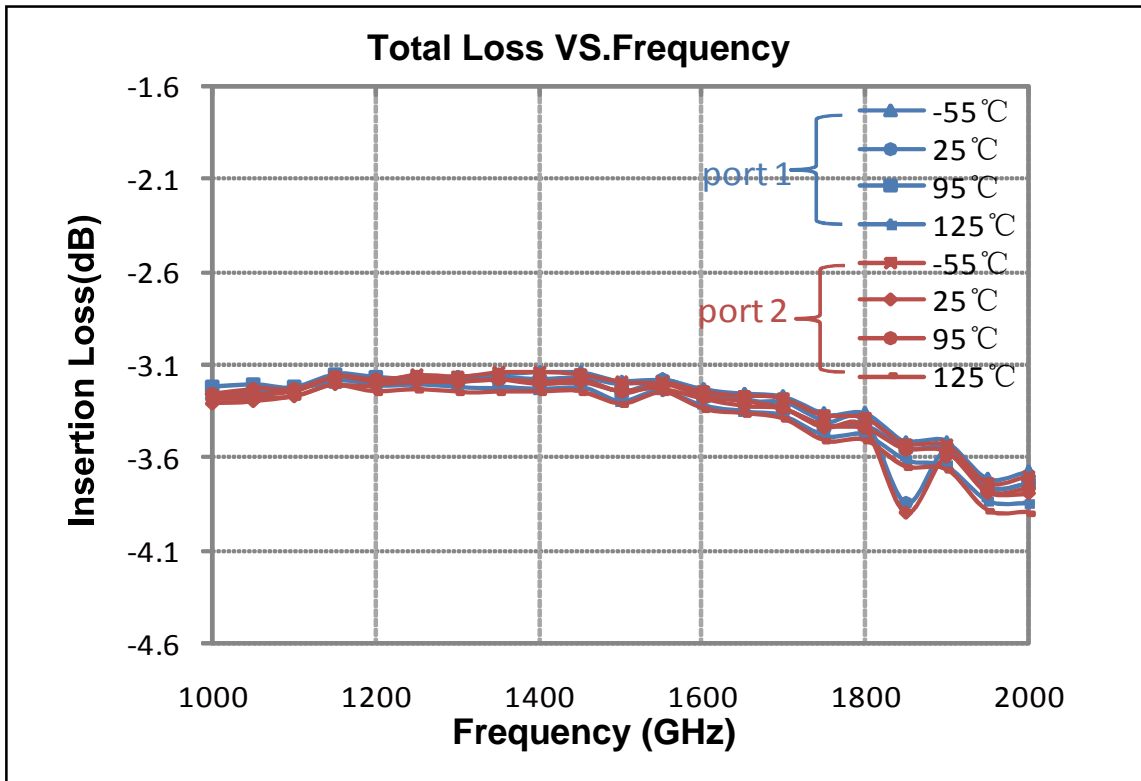
Yantel Corporation

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

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

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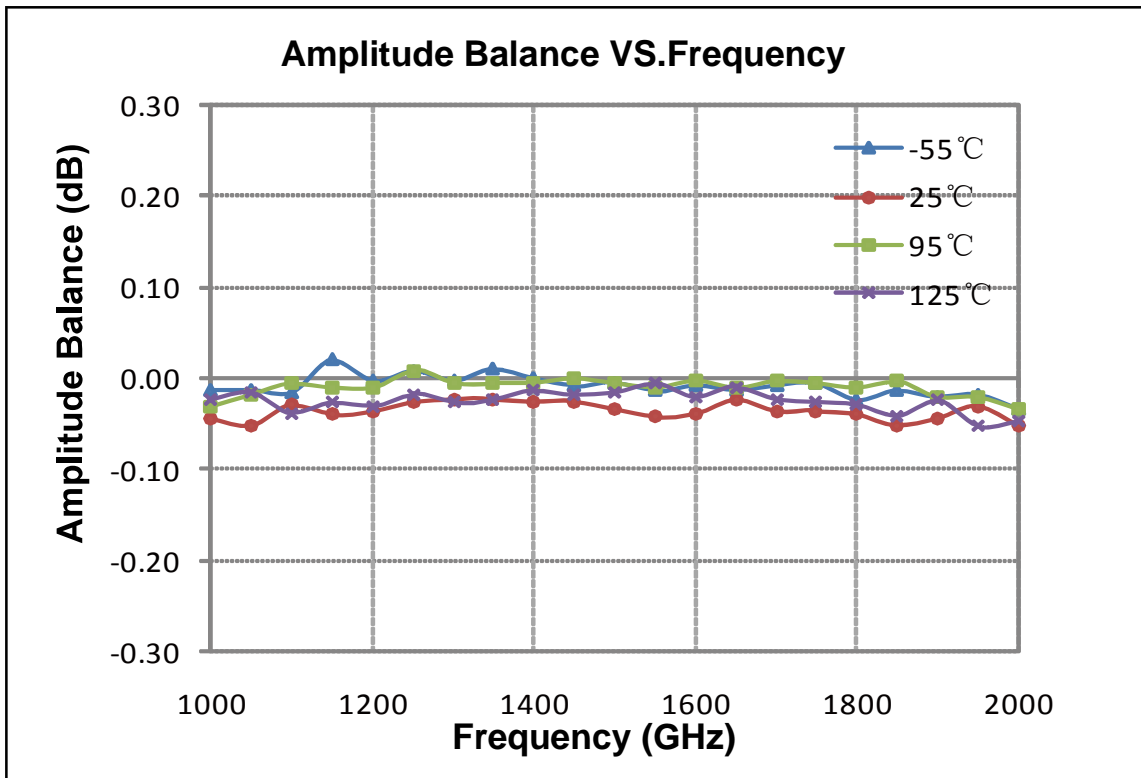
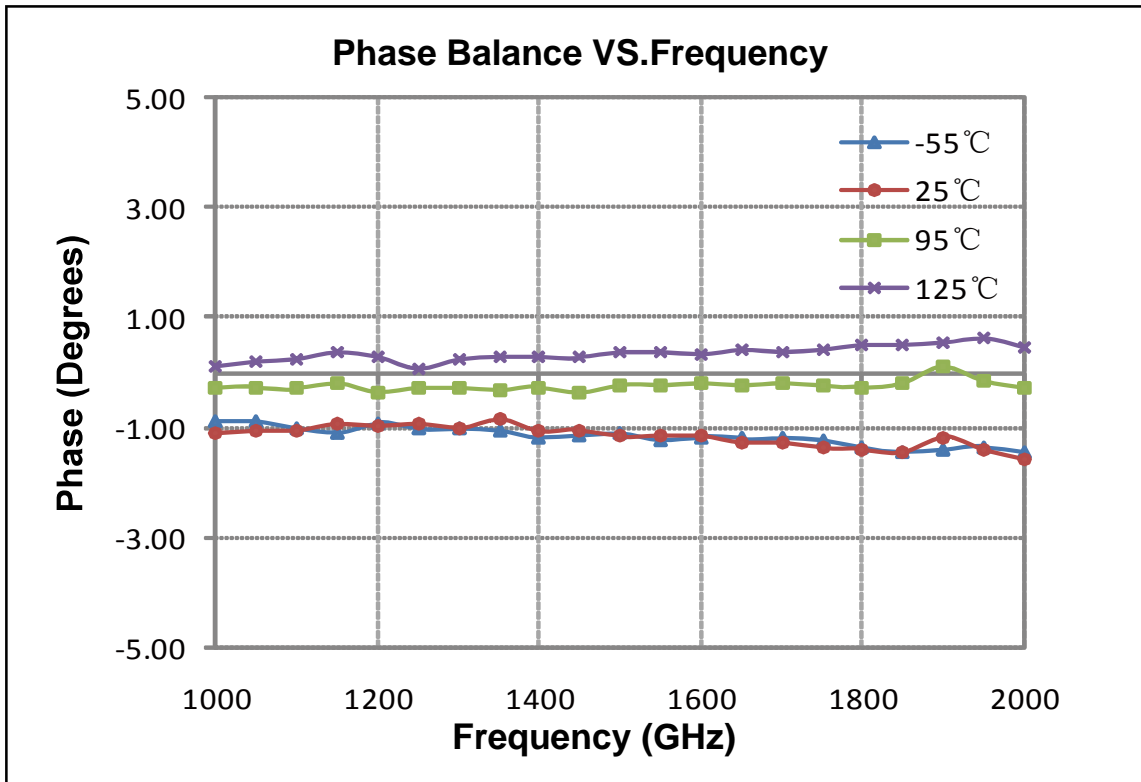
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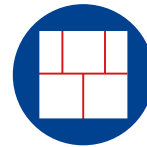
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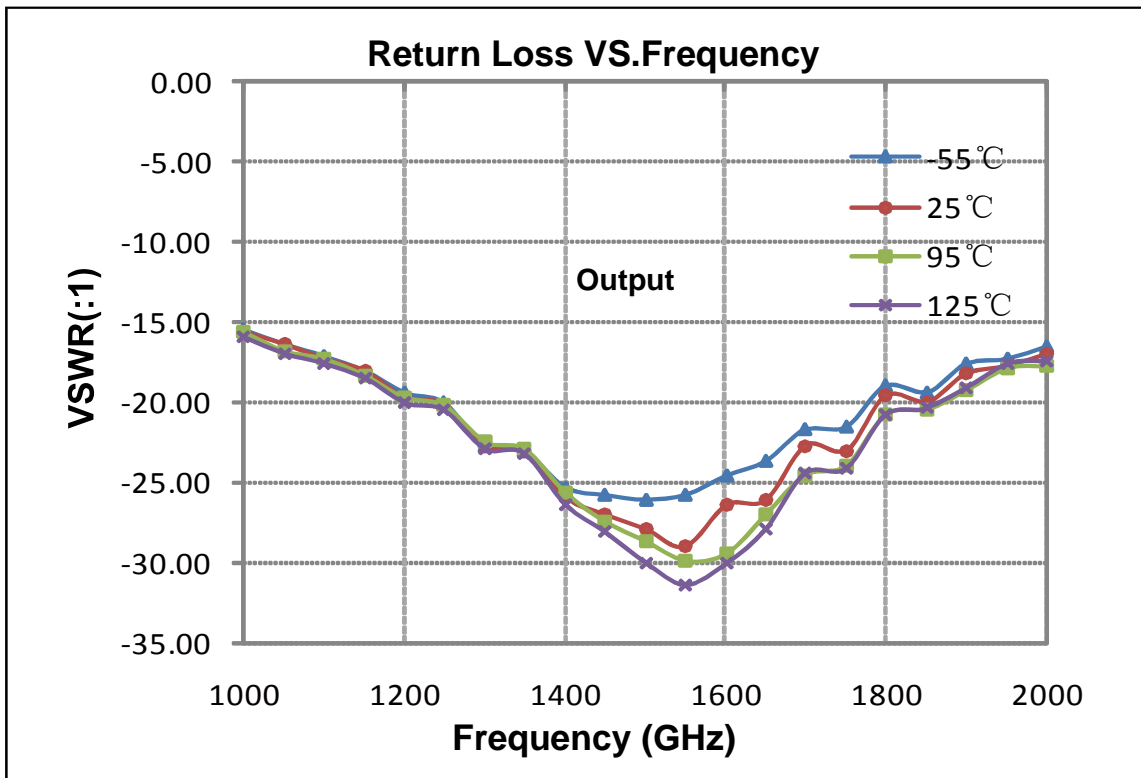
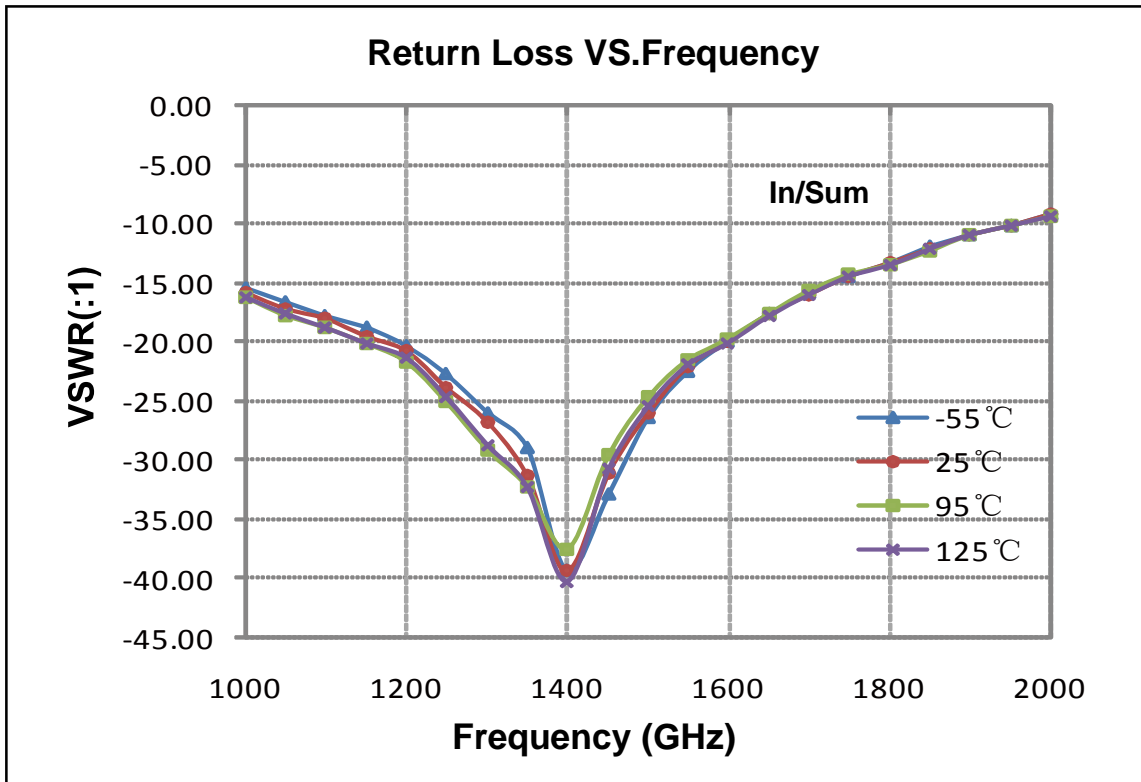
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Key Patents Lead Microwave Tech



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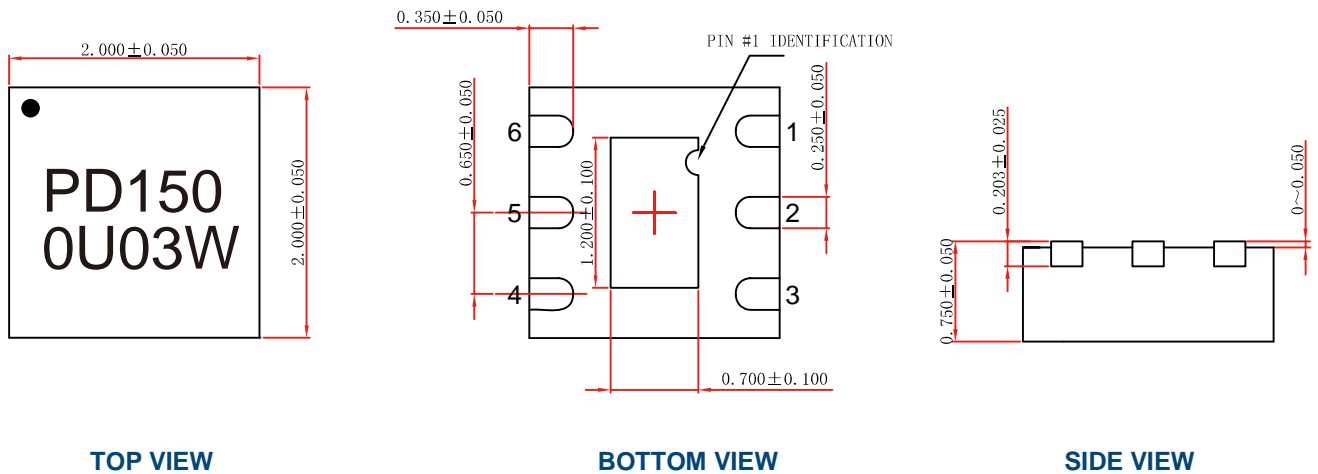
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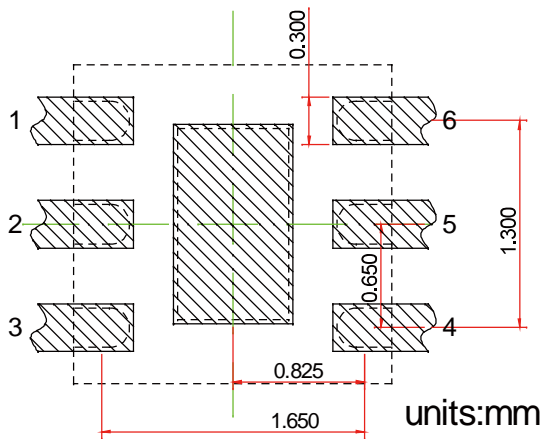
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Outline Drawing



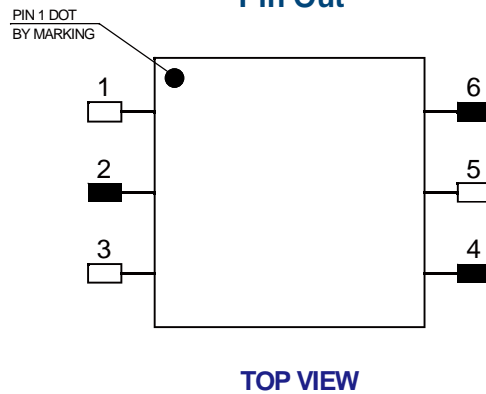
Land Pattern



Recommended Land Pattern Top View

Notes: All dimensions show in millimeters

Pin Out



Notes:

1. 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.
2. This part has passed through 100% RF test.

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

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