

"High Frequency Ceramic Solutions"

2450 MHz Power Divider

Detail Specification 7/28/2016

P/N 2450PD14B0100

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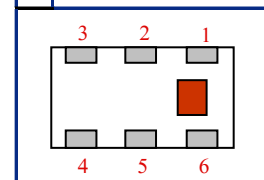
General Specifications

Part Number	2450PD14B0100		Return Loss (dB)	11.7 min.
Frequency (MHz)	2400 - 2500		Isolation (dB)	25 min.
Insertion Loss @ BW (dB)	OUT1	3.4 ± 0.6	Phase Balance	0° ± 3
	OUT2	3.4 ± 0.6	Operating Temperature	-40 to +85°C
Attenuation (dB)	4800 - 5000	8 min.	Reel Quantity	4,000
	7200 - 7500	15 min.	Power Capacity	3 W max.
Storage	1 yr. shelf life in bag; 1 week shelf life out of bag; Vacuum reseal unused reel			

P/N Suffix	Packaging Style	Bulk	Suffix = S	E.g. 2450PD14B0100S
		T & R	Suffix = E	E.g. 2450PD14B0100E
	Termination Style	100% Tin	Suffix = None	E.g. 2450PD14B0100(E or S)
		Tin / Lead	Please consult Factory	

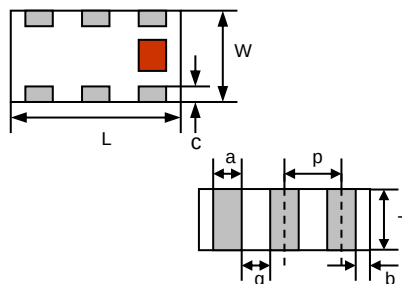
Terminal Configuration

No.	Function
1	GND
2	IN
3	GND
4	OUT1
5	NC or GND
6	OUT2



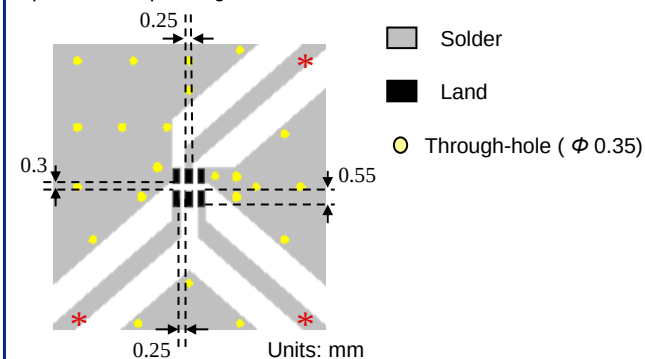
Mechanical Dimensions

	in	mm
L	0.063 ± 0.004	1.60 ± 0.10
W	0.031 ± 0.004	0.80 ± 0.10
T	0.024 ± 0.004	0.60 ± 0.10
a	0.008 ± 0.004	0.20 ± 0.10
b	0.008 +.004/-.006	0.20 +0.1/-0.15
c	0.006 ± 0.004	0.15 ± 0.10
g	0.012 ± 0.004	0.30 ± 0.10
p	0.020 ± 0.002	0.50 ± 0.05

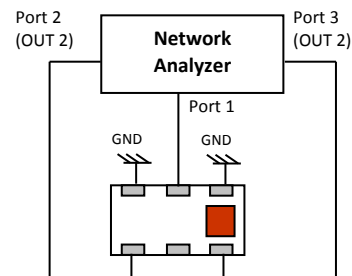


Mounting Considerations

Mount these devices with brown mark facing up.
* Line width should be designed to match 50Ω characteristic impedance, depending on PCB material and thickness.



Measuring Diagram



*100Ω external resistor required between OUT1 and OUT2

Johanson Technology, Inc. reserves the right to make design changes without notice.

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Ver. 1.1

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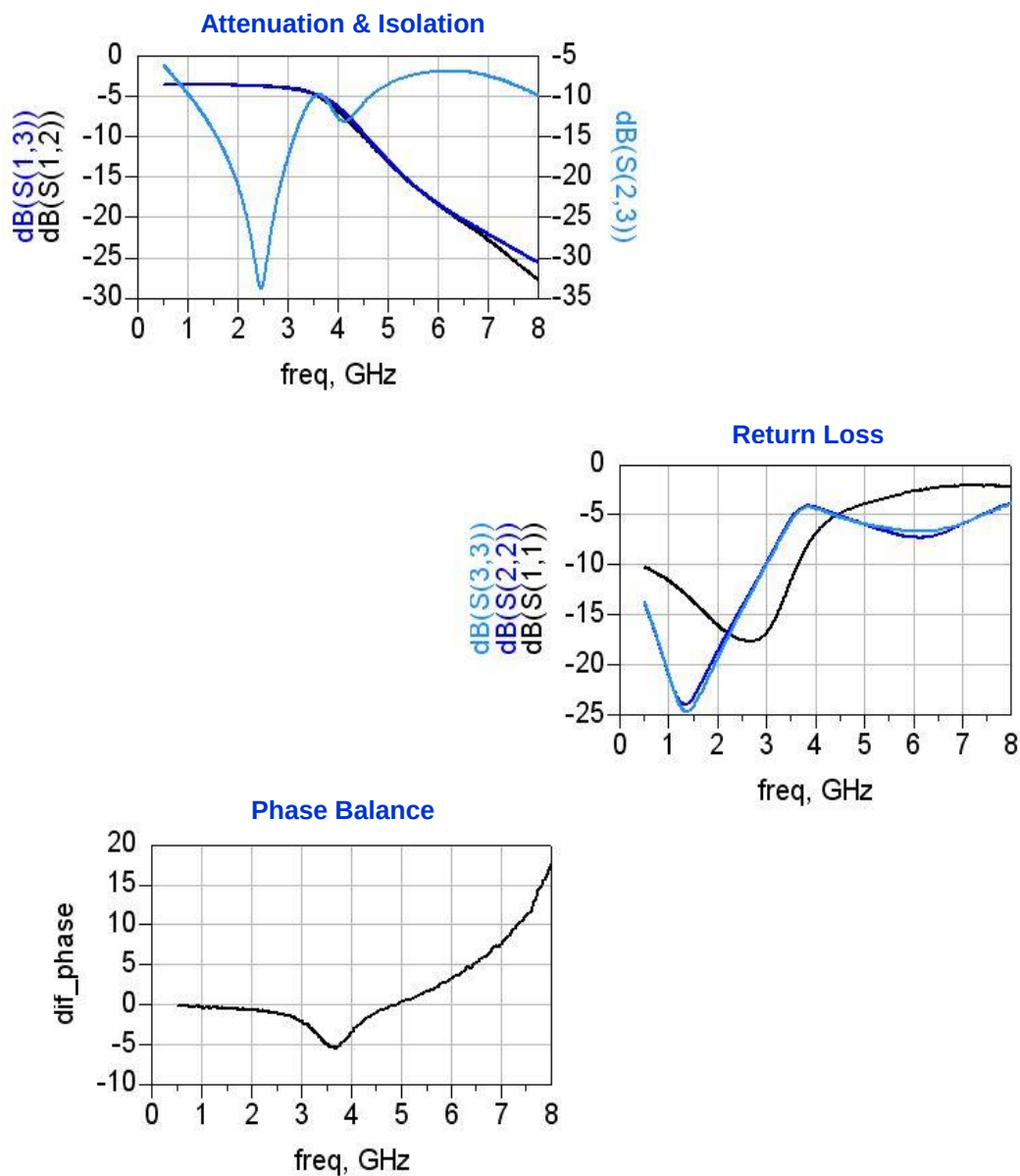
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Typical Electrical Performance (T=25°C)



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Antenna tuning, optimization, and validation Services

www.johansontechnology.com/ipc-antenna-services

For layout review contact our Applications Team at:

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Soldering Information

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Packaging information

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For more antennas and download measured S-parameters, go to:

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Recommended Storage Condition and Max Shelf Life

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