

"High Frequency Ceramic Solutions"

2450 MHz Power Divider

Detail Specification 7/28/2016

P/N 2450PD14B0100

Page 1 of 3

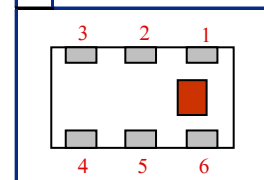
General Specifications

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	

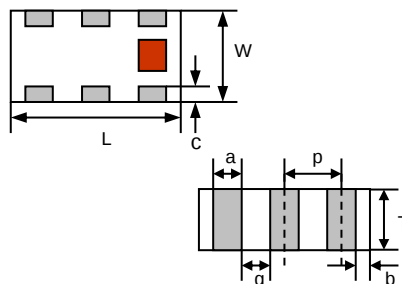
Terminal Configuration

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



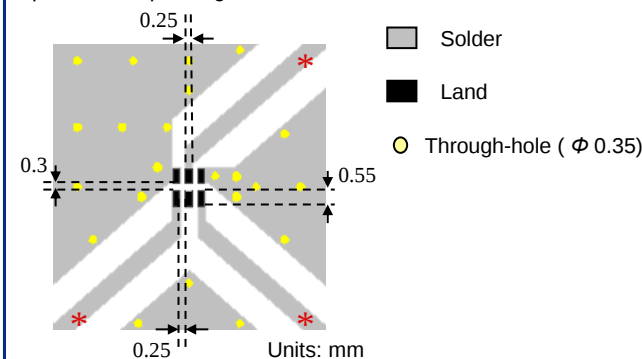
Mechanical Dimensions

	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/-0.006	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

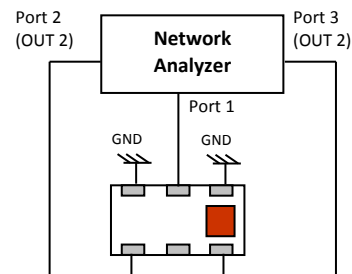


Mounting Considerations

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.

All sales are subject to Johanson Technology, Inc. terms and conditions.



4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

Ver. 1.1

2016 Johanson Technology, Inc. All Rights Reserved

www.johansontechnology.com

"High Frequency Ceramic Solutions"

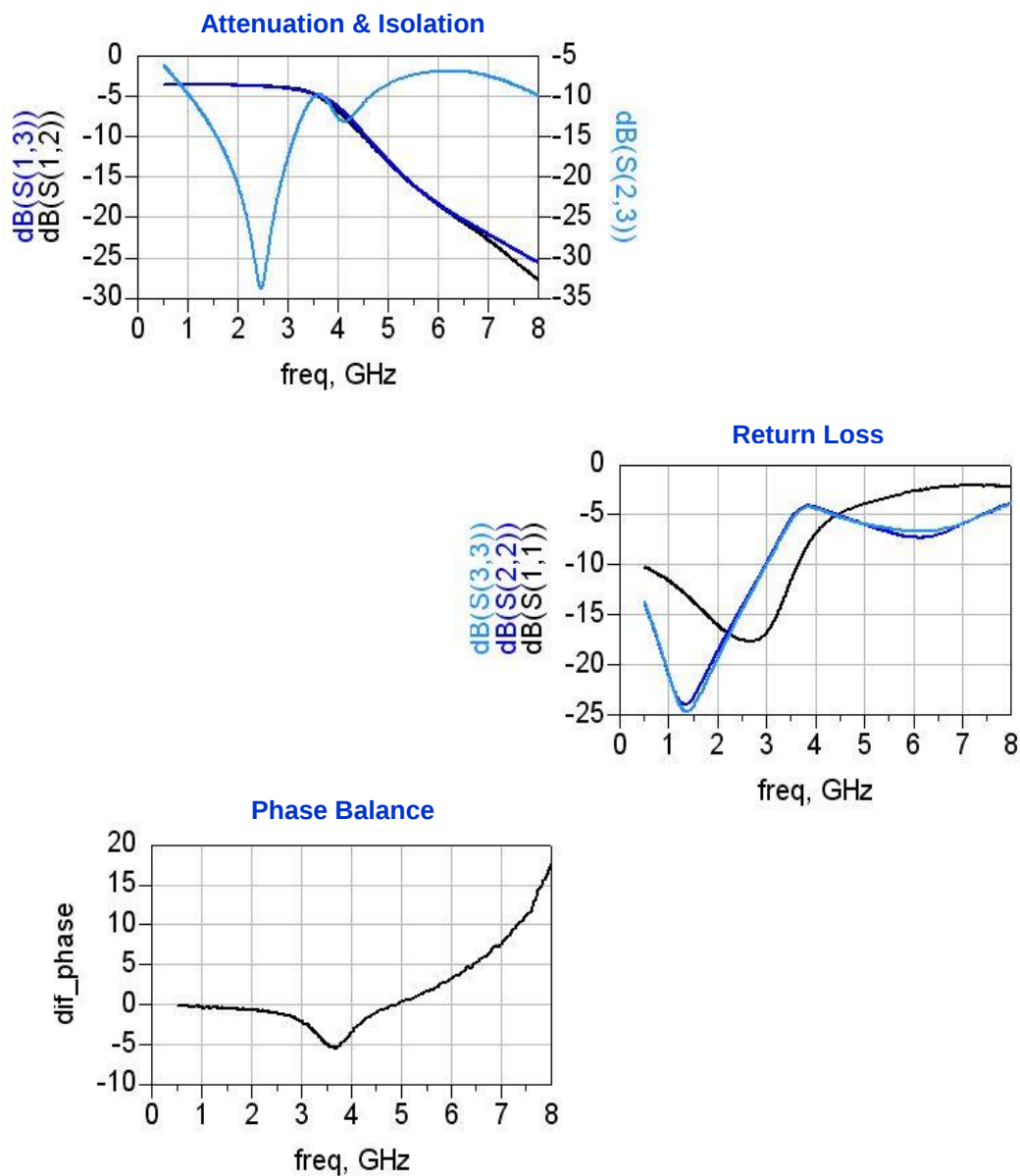
2450 MHz Power Divider

Detail Specification: 7/28/2016

P/N 2450PD14B0100

Page 2 of 3

Typical Electrical Performance (T=25°C)



Johanson Technology, Inc. reserves the right to make design changes without notice.
All sales are subject to Johanson Technology, Inc. terms and conditions.



"High Frequency Ceramic Solutions"

2450 MHz Power Divider

P/N 2450PD14B0100

Detail Specification: 7/28/2016

Page 3 of 3

Antenna tuning, optimization, and validation Services

www.johansontechnology.com/ipc-antenna-services

For layout review contact our Applications Team at:

www.johansontechnology.com/ask-a-question

Soldering Information

www.johansontechnology.com/typical-soldering-profile

MSL Info

www.johansontechnology.com/msl-rating

Packaging information

www.johansontechnology.com/tape-reel-packaging

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

www.johansontechnology.com/antennas

RoHS Compliance

www.johansontechnology.com/rohs-compliance

Recommended Storage Condition and Max Shelf Life

www.johansontechnology.com/recommended-storage-conditions

Johanson Technology, Inc. reserves the right to make design changes without notice.
All sales are subject to Johanson Technology, Inc. terms and conditions.



www.johansontechnology.com
4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821
Ver. 1.1 2016 Johanson Technology, Inc. All Rights Reserved

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Johanson:](#)

[2450PD14B0100T](#) [2450PD14A0100T](#) [2450PD14B0100001T](#)