



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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High Frequency Ceramic Solutions

2450 MHz Harmonic Low Pass Filter EIA 0603, SMD

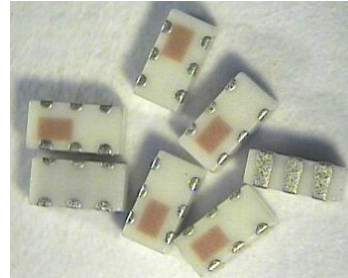
P/N 2450LP14B100

Detail Specification: 3/1/2016

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General Specifications

Frequency (MHz)	2400 - 2500
Insertion Loss (dB)	0.50 max.
Attenuation (min.)	35 dB @ 2 x fo
Attenuation (min.)	25 dB @ 3 x fo
Power Capacity	3W max. (CW)
Recommended Storage Conditions (unmounted/unused product on T&R)	+5 ~ +35 °C, Humidity 45~75%RH
Operating Temperature	-40 to +85°C
Storage Temperature	-40 to +85°C

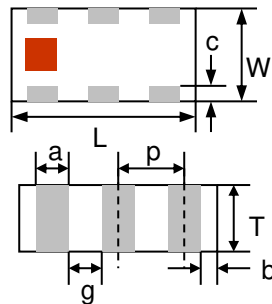


Part Number Explanation

P/N Suffix	Packing Style	Bulk	Suffix = S	2450LP14B100S
		T & R	Suffix = T	2450LP14B100T (Reel Size: 4000pcs)
	Termination style	100% Tin	Suffix = None	2450LP14B100(T/S)
	50Ω SMA Connector Eval Board			2450LP14B100-EB-SMA (orderable p/n)

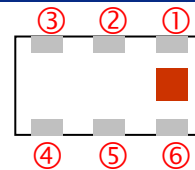
Mechanical Dimensions

	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

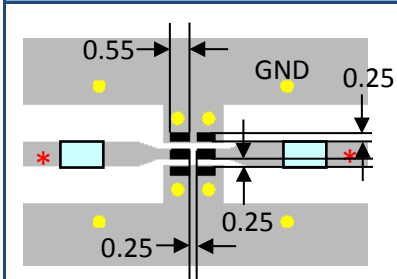


Terminal Configuration

No.	Function	No.	Function
1	GND	4	GND
2	IN/OUT	5	IN/OUT
3	GND	6	GND



Mounting Considerations



- Solder Resist
- Land
- Through-hole (∅0.35)
- If DC Blocking is required, use a 10-12pF capacitor in the I/Os

*Trace must be designed to a 50Ω characteristic impedance based on PCB material and thickness.

Want the layout file or need us to revise your layout to make sure is correct? Send us a message at:

www.johansontechnology.com/ask-a-question

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

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Ver. 3.1

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High Frequency Ceramic Solutions

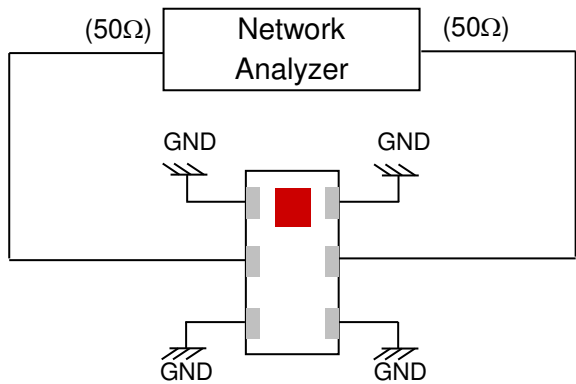
2450 MHz Harmonic Low Pass Filter EIA 0603, SMD

P/N 2450LP14B100

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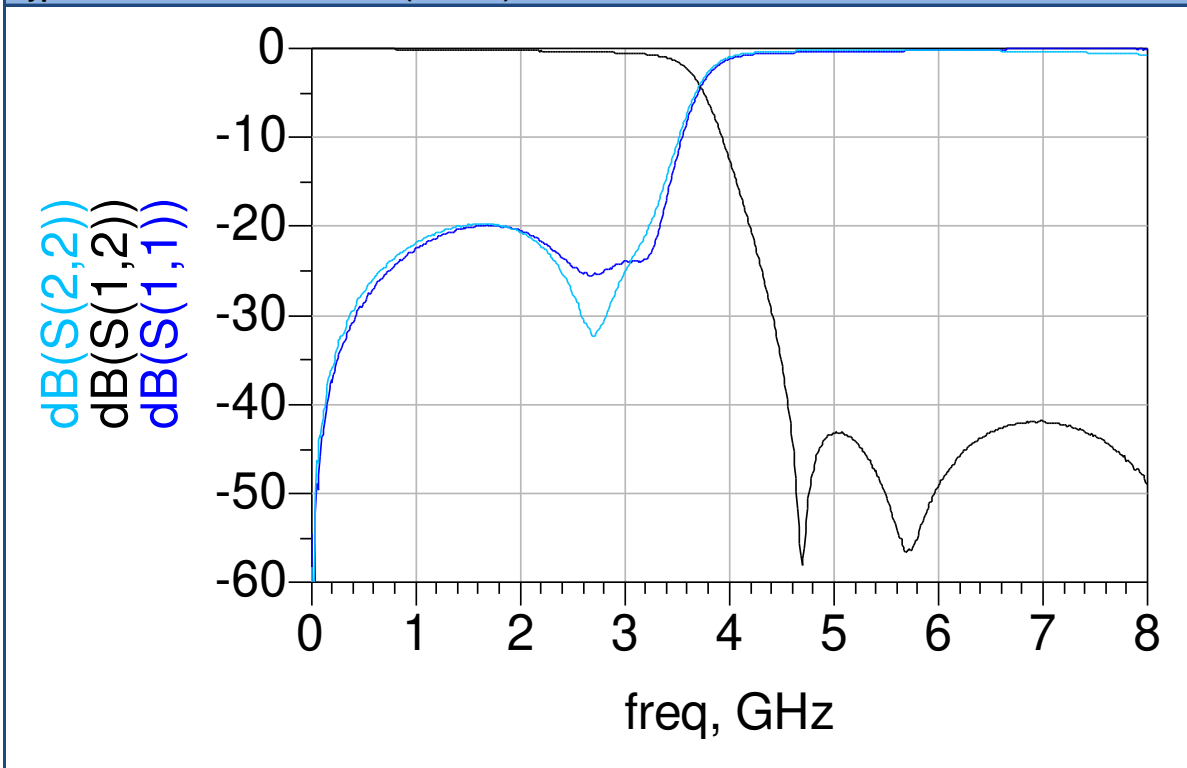
Measuring Diagram



Click here Order the SMA-ready Evaluation Board p/n 2450LP14B100-EB-SMA:

www.johansontechnology.com/request-a-sample

Typical Electrical Performance (T=25°C)



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Packaging information

www.johansontechnology.com/tape-reel-packaging

Soldering Information

www.johansontechnology.com/typical-soldering-profile.html

RoHS Compliance

www.johansontechnology.com/rohs-compliance

MSL Info

www.johansontechnology.com/msl-rating

To Download Measured S-parameters for Evaluation and Simulation:

www.johansontechnology.com/low-pass-filters

For layout review contact our Applications Team at:

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