



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!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: [info@chipsmall.com](mailto:info@chipsmall.com) Web: [www.chipsmall.com](http://www.chipsmall.com)

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# High Frequency Ceramic Solutions


## 5.4GHz Band Pass Filter, EIA 0603, SMD

P/N 5400BP14A0950

Detail Specification: 5/2/2017

Page 1 of 3

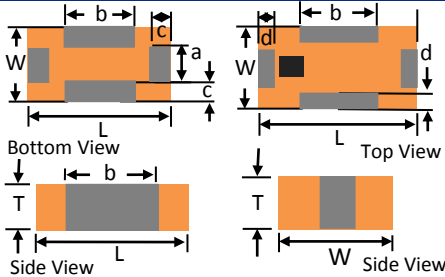
### General Specifications

<b>Part Number</b>	5400BP14A0950		
<b>Frequency (MHz)</b>	4900 - 5850		
<b>Insertion Loss (dB)</b>	1.5max. @25C 1.7max. @-40C to 85C		
<b>Return Loss</b>	9.5 dB min.		
<b>Attenuation (min.)</b>	33 dB @ 100 - 2170 MHz		
<b>Attenuation (min.)</b>	29 dB @ 2170 - 2500 MHz	<b>Operating Temperature</b>	-40 to +85°C
<b>Attenuation (min.)</b>	32 dB @ 9800 - 12000 MHz	<b>Storage Temperature</b>	-40 to +85°C
<b>Reel Quantity</b>	4,000	<b>Storage Period</b>	18 Months max.*
<b>Recommended Storage Conditions for unused T&amp;R Product*</b>	+5 ~ +35°C, Humidity: 45~75%RH	<b>Solder Paste</b>	SAC 305 type is recommended
		<b>Input Power</b>	1W max. (CW)

\*18 months in vacuum sealed bag and 1 week after opened. Please keep unused parts in vacuum sealed bags. For more info go to [www.johansontechnology.com/silverleads](http://www.johansontechnology.com/silverleads).

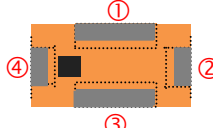
<b>P/N Suffix</b>	<b>Packing Style</b>	Bulk	Suffix = S	eg. 5400BP14A0950S
		T & R	Suffix = T	eg. 5400BP14A0950T
<b>Evaluation Board</b>		5400BP14A0950-EB1SMA		

### Mechanical Specifications

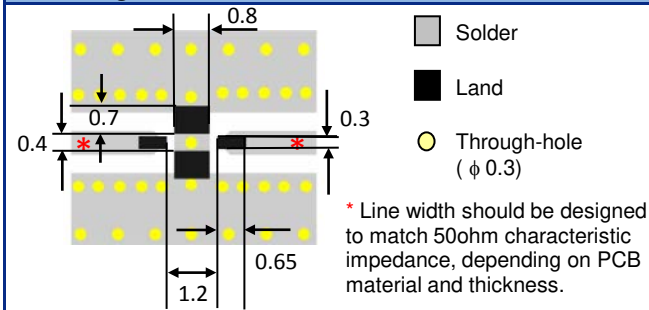
	In	mm		
L	0.063 ± 0.006	1.60 ± 0.15		
W	0.031 ± 0.006	0.80 ± 0.15		
T	0.024 ± 0.002	0.60 ± 0.05		
a	0.012 ± 0.004	0.30 ± 0.10		
b	0.028 ± 0.004	0.70 ± 0.10		
c	0.008 ± 0.004	0.20 ± 0.10		
d	0.006 ± 0.002	0.15 ± 0.05		

### Terminal Configuration

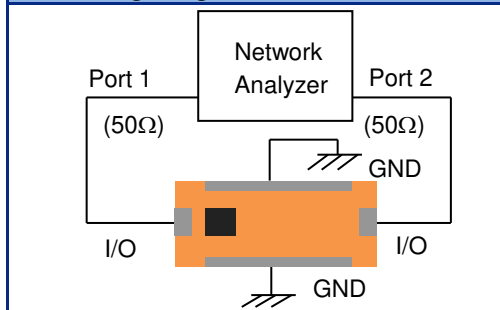
1	GND
2	OUT
3	GND
4	IN



### Mounting Considerations



### Measuring Diagram



Want the layout file of the above? Send us a message at: [www.johansontechnology.com/component/techquestion](http://www.johansontechnology.com/component/techquestion)

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](http://www.johansontechnology.com)

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

Ver. 1.1

2014 Johanson Technology, Inc. All Rights Reserved

# High Frequency Ceramic Solutions

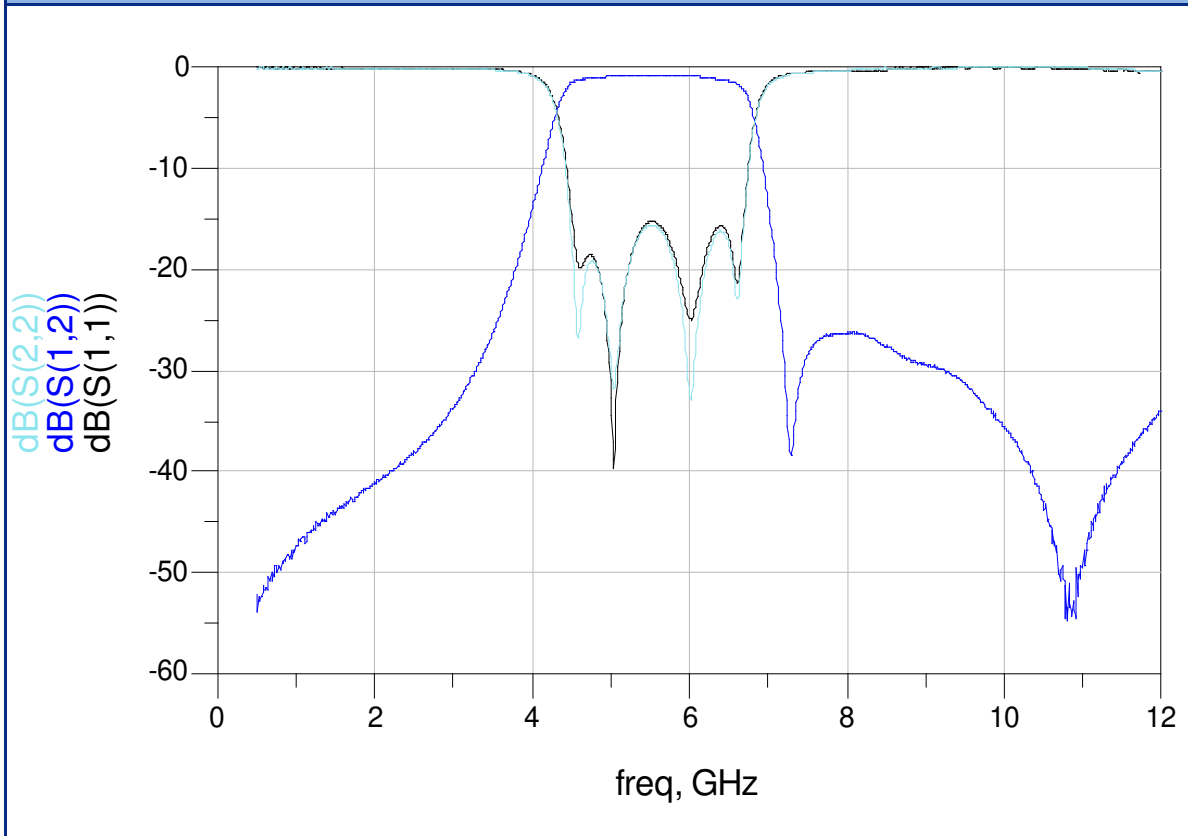
5.4GHz Band Pass Filter, EIA 0603, SMD

P/N 5400BP14A0950

Detail Specification: 5/2/2017

Page 2 of 3

## Electrical Characteristics (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.



[www.johansontechnology.com](http://www.johansontechnology.com)

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

Ver. 1.0

2014 Johanson Technology, Inc. All Rights Reserved

# High Frequency Ceramic Solutions

**5.4GHz Band Pass Filter, EIA 0603, SMD**

**P/N 5400BP14A0950**

Detail Specification: 5/2/2017

Page 3 of 3

## Packaging information

[www.johansontechnology.com/ipcpackaging.html](http://www.johansontechnology.com/ipcpackaging.html)

## Soldering Information

[www.johansontechnology.com/ipcsoldering-profile](http://www.johansontechnology.com/ipcsoldering-profile)

## RoHS Compliance

[www.johansontechnology.com/technical-notes/rohs-compliance.html](http://www.johansontechnology.com/technical-notes/rohs-compliance.html)

## MSL Info

[www.johansontechnology.com/technical-notes/msl-rating.html](http://www.johansontechnology.com/technical-notes/msl-rating.html)

## To Download Measured S-parameters for Evaluation and Simulation:

[www.johansontechnology.com/bpf](http://www.johansontechnology.com/bpf)

## For layout review contact our Applications Team at:

[www.johansontechnology.com/component/techquestion?Itemid=407](http://www.johansontechnology.com/component/techquestion?Itemid=407)

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](http://www.johansontechnology.com)

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

Ver. 1.0

2014 Johanson Technology, Inc. All Rights Reserved