



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 Web: www.chipsmall.com

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



"High Frequency Ceramic Solutions"

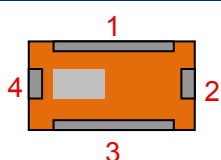
1.9 GHz Band Pass Filter Recommended Application DECT. P/N 1905BP18A0050

Detail Specification: 2/3/2014

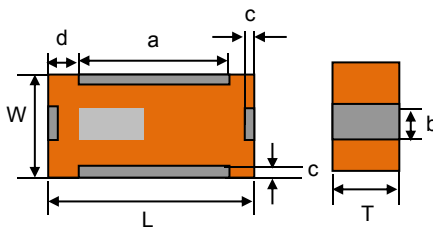
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General Specifications				
Frequency (MHz)	1880 ~ 1930		Input Power	500 mW max.(CW)
Insertion Loss	1.65dB max.		Impedance	50 Ω
			Operating Temperature	-40 to +85°C
Return Loss	9.5 dB min.		Recommended Storage Conditions	+5 ~ +35 °C, Humidity 45~75%RH, 18 mos. Max*
Attenuation (min.)	100 ~ 1500 MHz	20 dB		
Attenuation (min.)	2300 ~ 6000 MHz	15 dB	Reel Quantity	3000
Attenuation (min.)	1250 ~ 1290 MHz	25 dB	Solder Paste	SAC 305 Recommended
Attenuation (min.)	2400 ~ 2500 MHz	30 dB		
Attenuation (min.)	2500 ~ 2570 MHz	25 dB	To protect the silver leads (Pins 1, 2, 3, and 4), please re-use vacuum sealed packaging provided with shipment. More info at: http://www.johansontechnology.com/silverleads or go to page 2	
Attenuation (min.)	3760 ~ 3860 MHz	30 dB		
Attenuation (min.)	5640 ~ 5790 MHz	30 dB		

Terminal Configuration	
No.	Function
1	GND
2	OUT
3	GND
4	IN



Mechanical Dimensions		
	In	mm
L	0.126 ± 0.006	3.20 ± 0.15
W	0.063 ± 0.006	1.60 ± 0.15
T	0.051 ± 0.004	1.30 ± 0.10
a	0.075 ± 0.006	1.90 ± 0.15
b	0.020 ± 0.006	0.50 ± 0.15
c	0.012 ± 0.008	0.30 ± 0.20
g	0.026 ± 0.008	0.65 ± 0.20

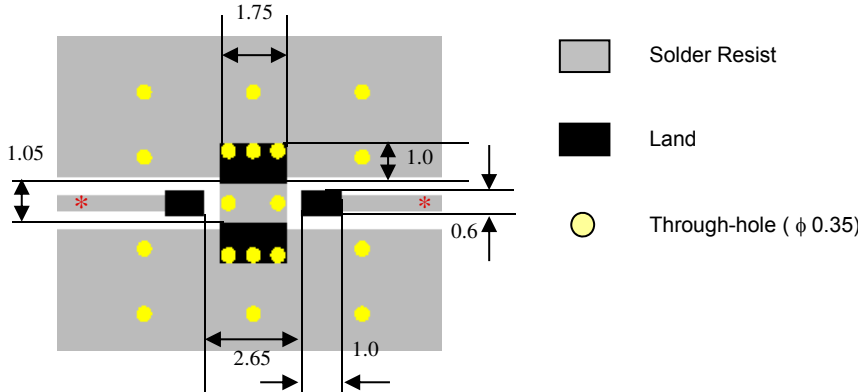


Mounting Considerations

Mount these devices with brown mark facing up.

*Line width should be designed to provide 50Ω impedance matching characteristics.

Units: mm



Legend:

- Solder Resist
- Land
- Through-hole (φ 0.35)

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

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



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

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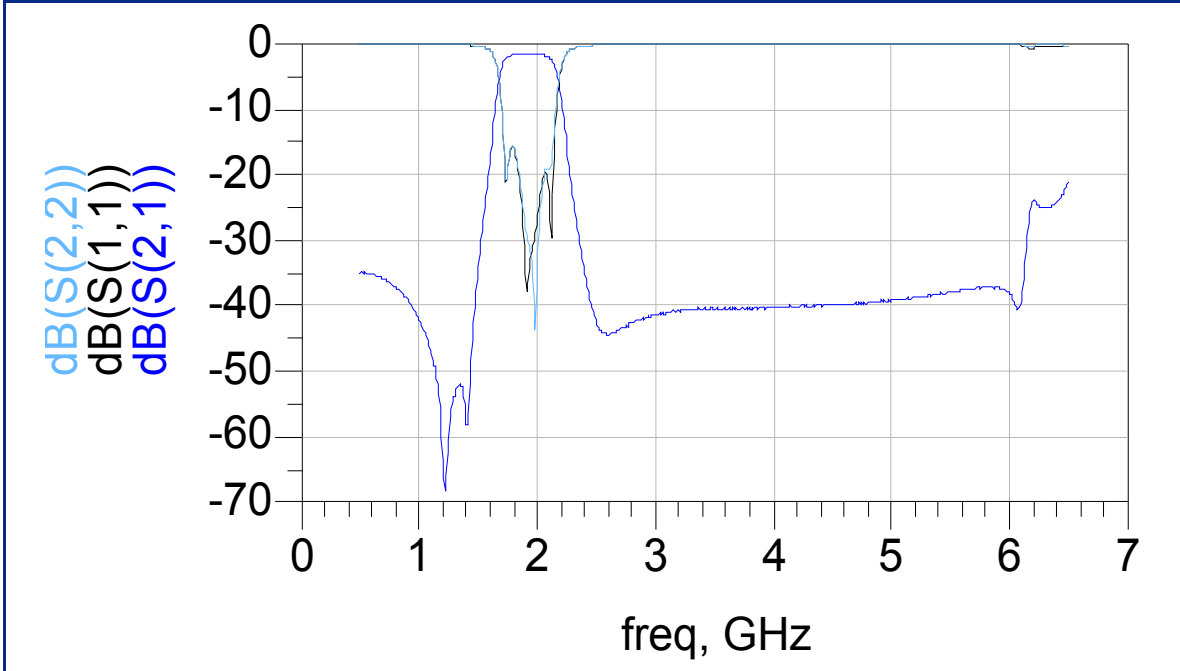
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Typical Electrical Performance (T=25°C)



Packaging information

www.johansontechnology.com/ipcpackaging.html

<http://www.johansontechnology.com/silverleads>

Soldering Information

www.johansontechnology.com/ipcsoldering-profile

RoHS Compliance

www.johansontechnology.com/technical-notes/rohs-compliance.html

MSL Info

www.johansontechnology.com/technical-notes/msl-rating.html

To see other BPFs or Download Measured S-parameters for Evaluation and Simulation:

<http://www.johansontechnology.com/bpf>

For layout review or any other technical questions, please contact our Applications Team at:

www.johansontechnology.com/component/techquestion?Itemid=407

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