



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

1810 MHz Band Pass Filter

P/N 1810BP07B200

Detail Specification: 6/17/2014

Page 1 of 3

General Specifications

Part Number	1810BP07B200		
Frequency (MHz)	1710 - 1910		
Insertion Loss (dB)	2.0 dB max.		
Return Loss	9.5 dB min.		
Attenuation (min.)	20 dB @ 855 - 955 MHz		
Attenuation (min.)	12 dB @ 2565 - 2865 MHz		
Impedance	50 Ω		
Input Power	500 mW max. (CW)		
Operating Temperature	-40 to +85°C	Recommended Storage Conditions for unused T&R Product*	+5 ~ +35°C, Humidity: 45~75%RH
Storage Temperature	-40 to +85°C	Solder Paste	SAC 305 type is recommended.
Reel Quantity	10,000		



*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.

P/N Suffix	Packing Style	Bulk	Suffix = S	eg. 1810BP07B200S
		T & R	Suffix = E	eg. 1810BP07B200T
	Evaluation Board	1810BP07B200-EB1SMA		

Mechanical Specifications

	In	mm	Bottom View	Side-End View
L	0.039 ± 0.002	1.00 ± 0.05		
W	0.020 ± 0.002	0.50 ± 0.05		
T	0.015 ± 0.002	0.38 ± 0.05		
a	0.006 ± 0.004	0.15 ± 0.10		
b	0.010 ± 0.004	0.25 ± 0.10		

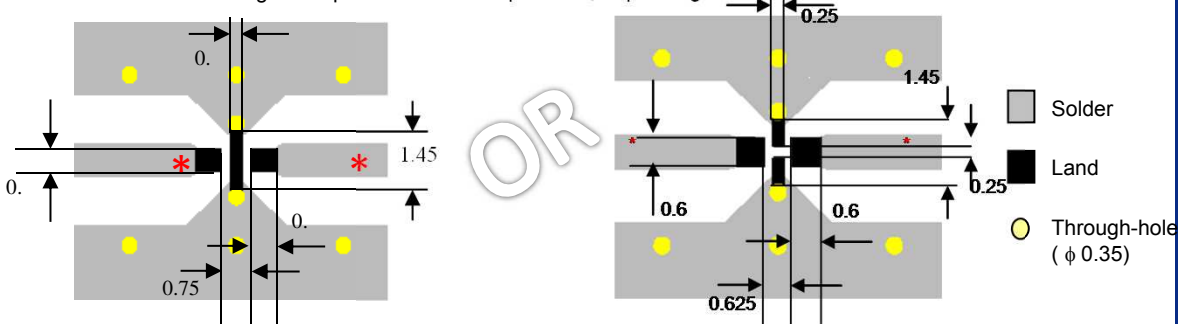
Terminal Configuration

1	GND	3	GND
2	OUT	4	IN

Mounting Considerations

Mount these devices with brown mark facing up.

*Line width should be designed to provide 50 ohm impedance, depending on PCB material and thickness



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

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

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

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High Frequency Ceramic Solutions

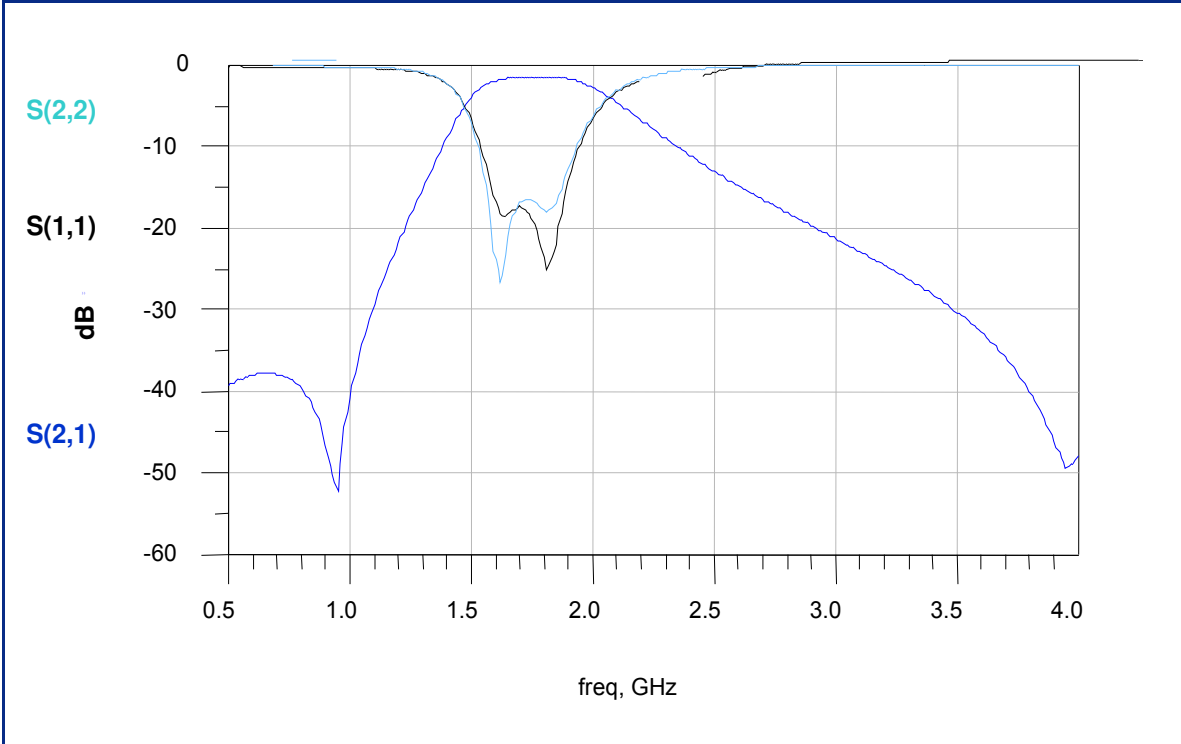
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Page 2 of 3

Electrical Characteristics (T=25°C)



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Page 3 of 3

Packaging information

www.johansontechnology.com/ipcpackaging.html

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 Download Measured S-parameters for Evaluation and Simulation:

www.johansontechnology.com/bpf

For layout review contact our Applications Team at:

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

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