



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"

## 1810 MHz Band Pass Filter

P/N 1810BP07C200

Detail Specification: 06/21/06

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### General Specifications

Part Number	1810BP07C200
Frequency (MHz)	1710 - 1910
Insertion Loss	2.0 dB max.
Return Loss	9.5 dB min.
Attenuation (min.)	20 dB @ 855 - 955 MHz
Attenuation (min.)	10 dB @ 2565 - 2865 MHz

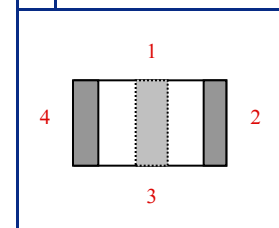
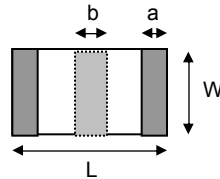
Impedance	50 $\Omega$
Input Power	500 mW max.
Operating Temperature	-40 to +85°C
Storage Temperature	-40 to +85°C
Reel Quantity	10,000

P/N Suffix	Packaging Style	Bulk	Suffix = S	Eg. 1810BP07C200S
	Style	T & R	Suffix = E	Eg. 1810BP07C200E
	Termination	100% Tin	Suffix = None	Eg. 1810BP07C200(E or S)
	Style	Tin / Lead	Suffix = /Pb	Eg. 1810BP07C200(E or S)00P

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

### Mechanical Dimensions

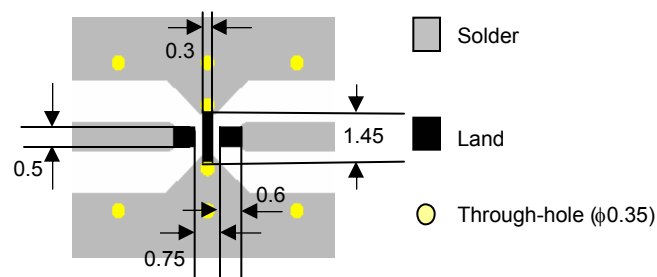
	In	mm
L	0.039 $\pm$ 0.002	1.00 $\pm$ 0.05
W	0.020 $\pm$ 0.002	0.50 $\pm$ 0.05
T	0.015 $\pm$ 0.002	0.38 $\pm$ 0.05
a	0.006 $\pm$ 0.004	0.15 $\pm$ 0.10
b	0.010 $\pm$ 0.004	0.25 $\pm$ 0.10



### 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



Units: mm

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

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# "High Frequency Ceramic Solutions"

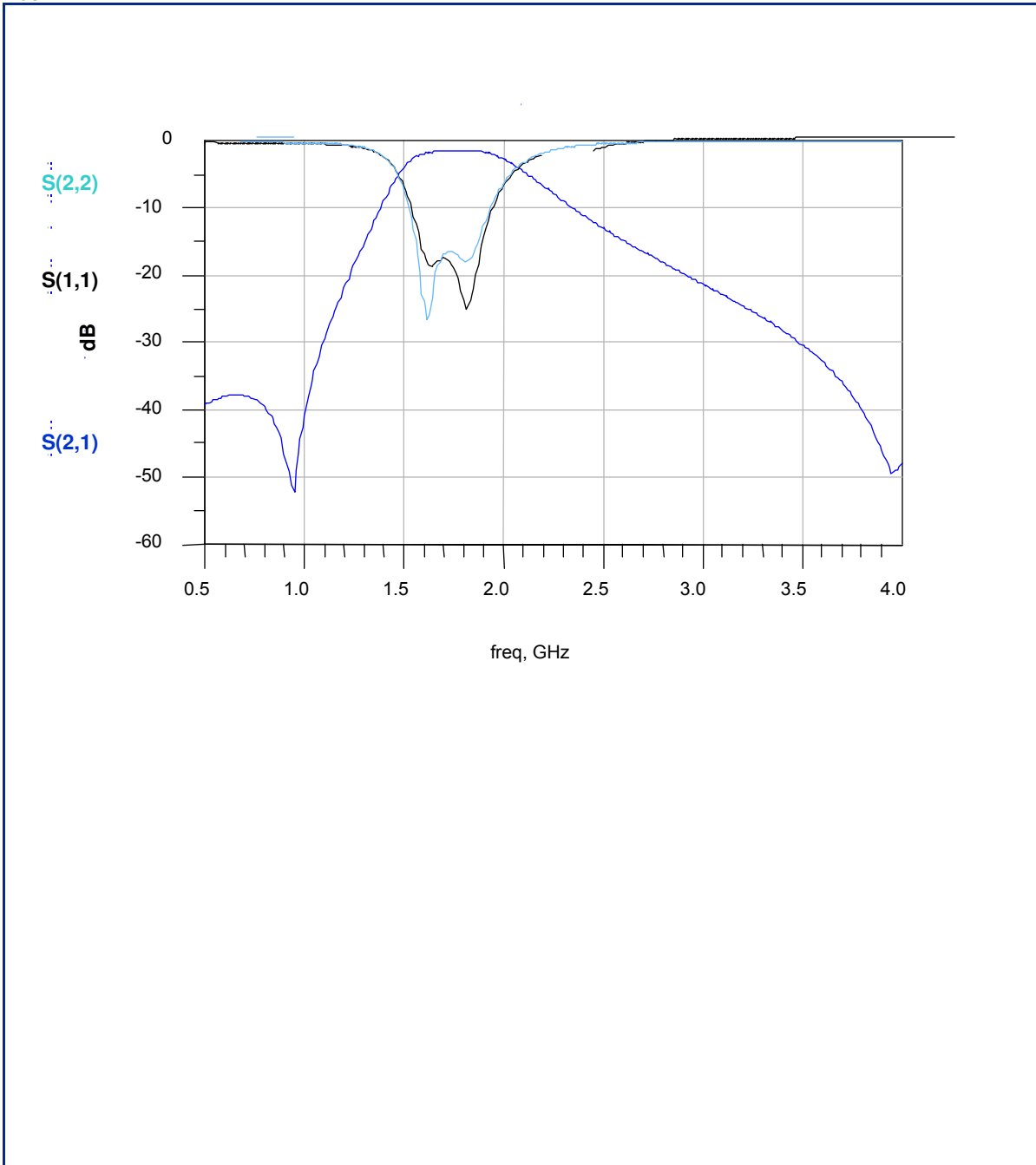
1810 MHz Band Pass Filter

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## Typical Electrical Performance (T=25°C)



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