

# "High Frequency Ceramic Solutions"

## 1810 MHz Band Pass Filter

P/N 1810BP07C200

Detail Specification: 06/21/06

Page 1 of 2

### 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

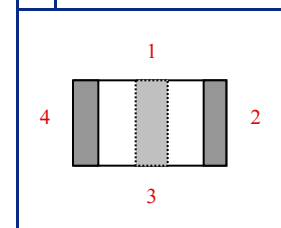
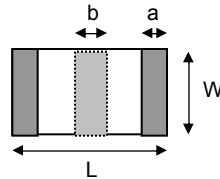
Impedance	50 $\Omega$
Input Power	500 mW max.
Operating Temperature	-40 to +85°C
Storage Temperature	-40 to +85°C
Reel Quantity	10,000

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

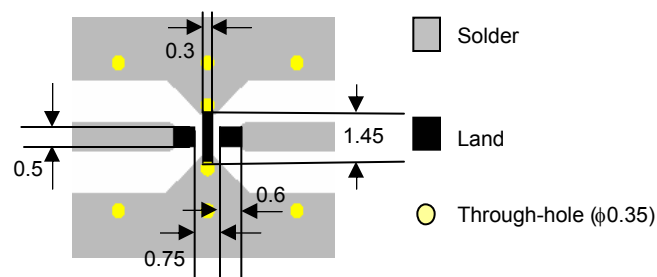
	In	mm
L	0.039 $\pm$ 0.002	1.00 $\pm$ 0.05
W	0.020 $\pm$ 0.002	0.50 $\pm$ 0.05
T	0.015 $\pm$ 0.002	0.38 $\pm$ 0.05
a	0.006 $\pm$ 0.004	0.15 $\pm$ 0.10
b	0.010 $\pm$ 0.004	0.25 $\pm$ 0.10



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

# "High Frequency Ceramic Solutions"

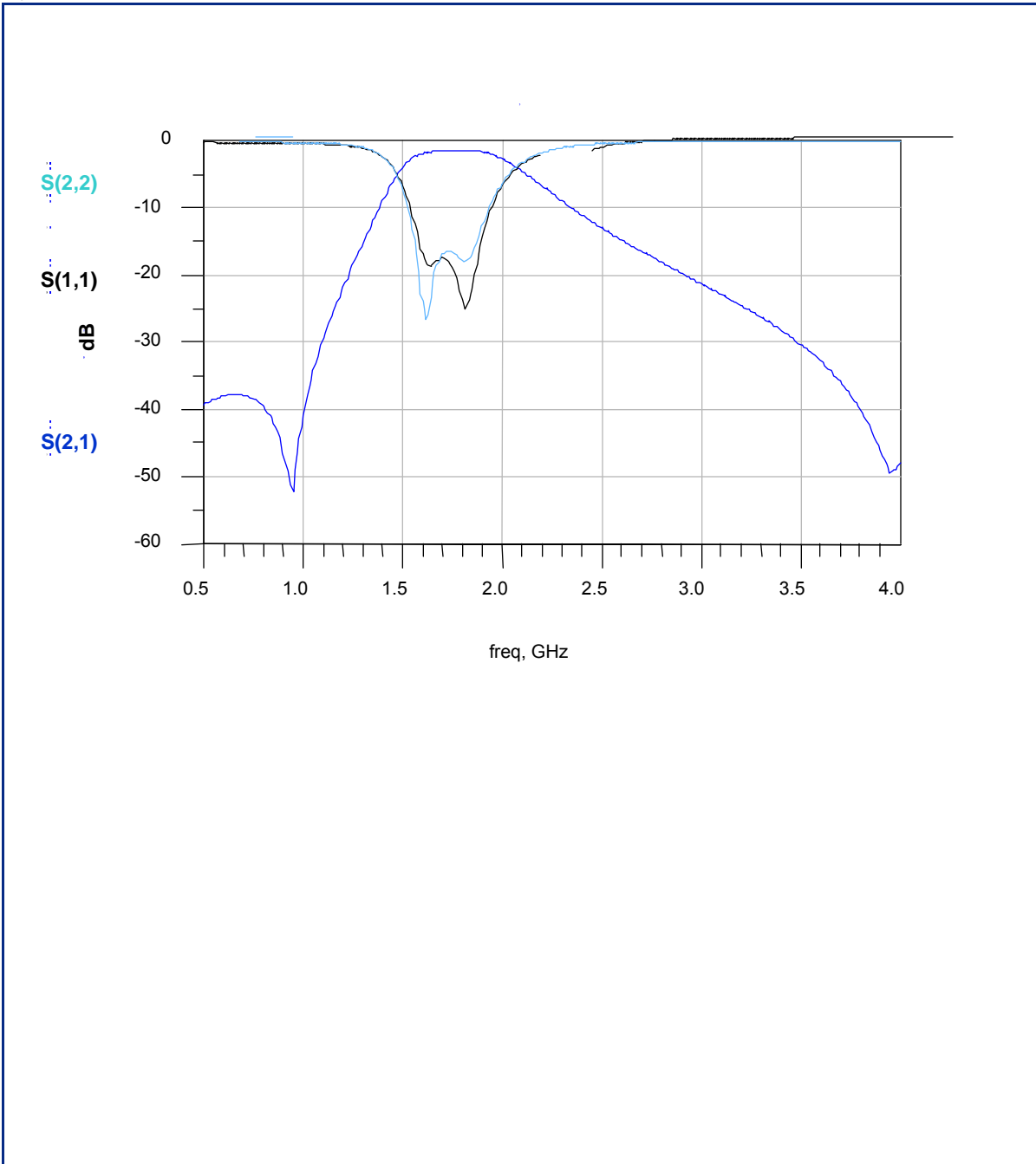
1810 MHz Band Pass Filter

P/N 1810BP07B200

Detail Specification: 06/21/06

Page 2 of 2

## Typical Electrical Performance (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)

931 Via Alondra • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

2003 Johanson Technology, Inc. All Rights Reserved