"High Frequency Ceramic Solutions"

1810 MHz Band Pass Filter — P/N 1810BP07B200

Detail Specification: 10/27/10

General Specifications

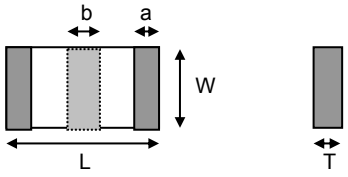
Part Number	1810BP07B200
Frequency (MHz)	1710 - 1910
Insertion Loss	2.0 dB max.
Return Loss	9.5 dB min.
Attenuation (min.)	20 dB @ 855 - 955 MHz
Attenuation (min.)	12 dB @ 2565 - 2865 MHz

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

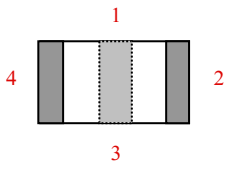
P/N Suffix	**Packaging Style**	Bulk	Suffix = S	Eg. 1810BP07B200S
		T & R	Suffix = T	Eg. 1810BP07B200T
	Termination Style	100% Tin	Suffix = None	Eg. 1810BP07B200(S or T)
		Tin / Lead	Suffix = /Pb	Eg. 1810BP07B200(S or T)00P

Mechanical Dimensions

	In	mm
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



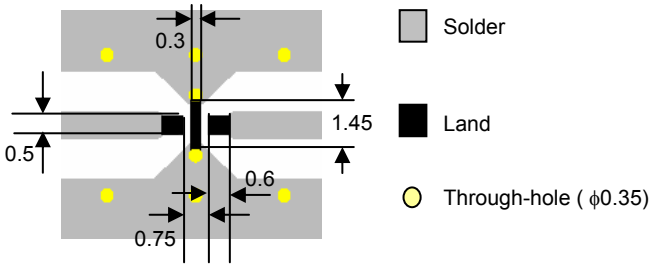
Terminal Configuration	
No.	**Function**
1	GND
2	OUT
3	GND
4	IN



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



Units: mm

JOHANSON TECHNOLOGY

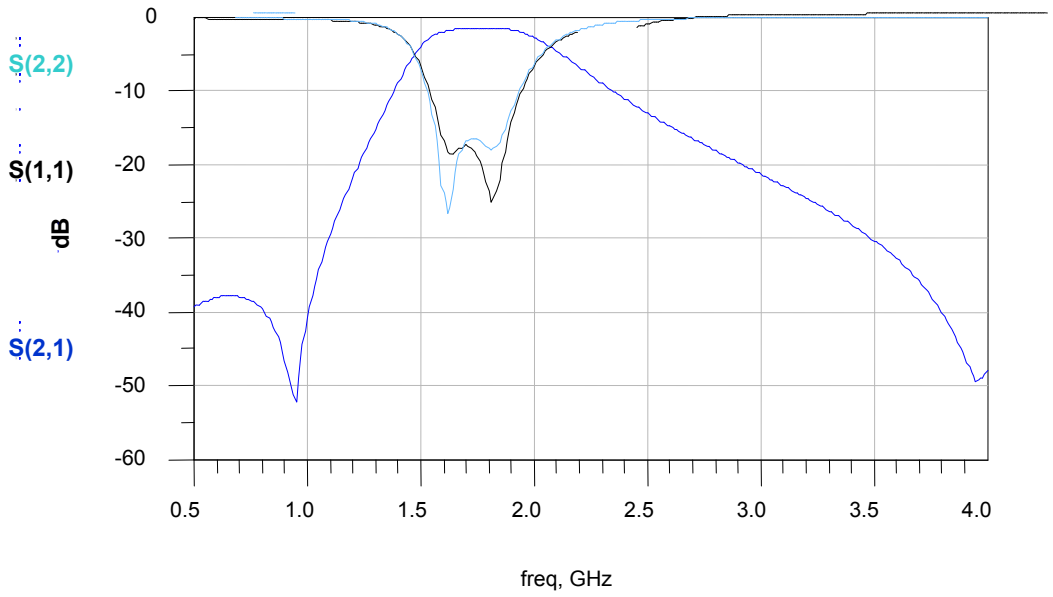
www.johansontechnology.com

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

1810 MHz Band Pass Filter **P/N 1810BP07B200**

Detail Specification: 10/27/10 Page 2 of 2

Typical Electrical Performance (T=25°C)



JOHANSON TECHNOLOGY

www.johansontechnology.com

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