High Frequency Ceramic Solutions

1810 MHz Low Pass Filter

P/N 1810LP07B200

Detail Specification: 10/27/10

General Specifications

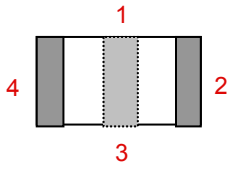
Part Number	1810LP07B200
Frequency (MHz)	1710 - 1910
Insertion Loss	0.6 dB max.
Return Loss	9.5 dB min.
Attenuation (min.)	26 dB @ 3420 ~ 3570 MHz
Attenuation (min.)	21 dB @ 3700 ~ 3820 MHz
Attenuation (min.)	21 dB @ 5130 ~ 5730 MHz

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

P/N Suffix	**Packaging Style**	Bulk	Suffix = S	Eg. 1810LP07B200S
		T & R	Suffix = T	Eg. 1810LP07B200T
	Termination Style	100% Tin	Suffix = None	Eg. 1810LP07B200(S or T)
		Tin / Lead	Suffix = /Pb	Eg. 1810LP07B200(S or T)/Pb

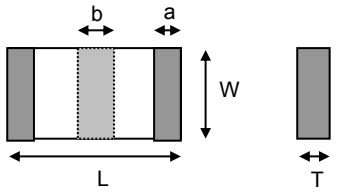
Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN



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

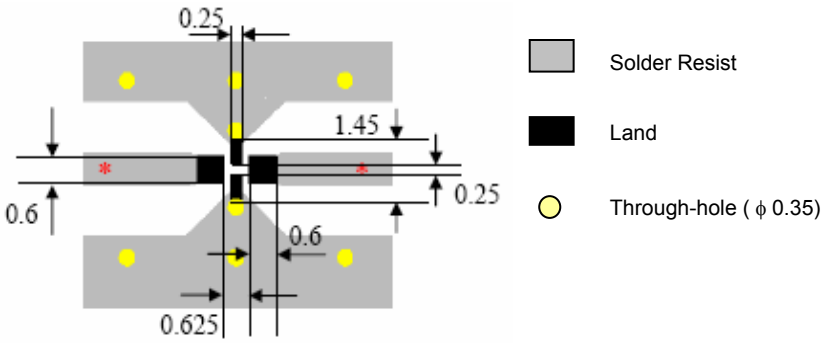


Mounting Considerations

Mount these devices with brown mark facing up.

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

Units: mm



JOHANSON TECHNOLOGY

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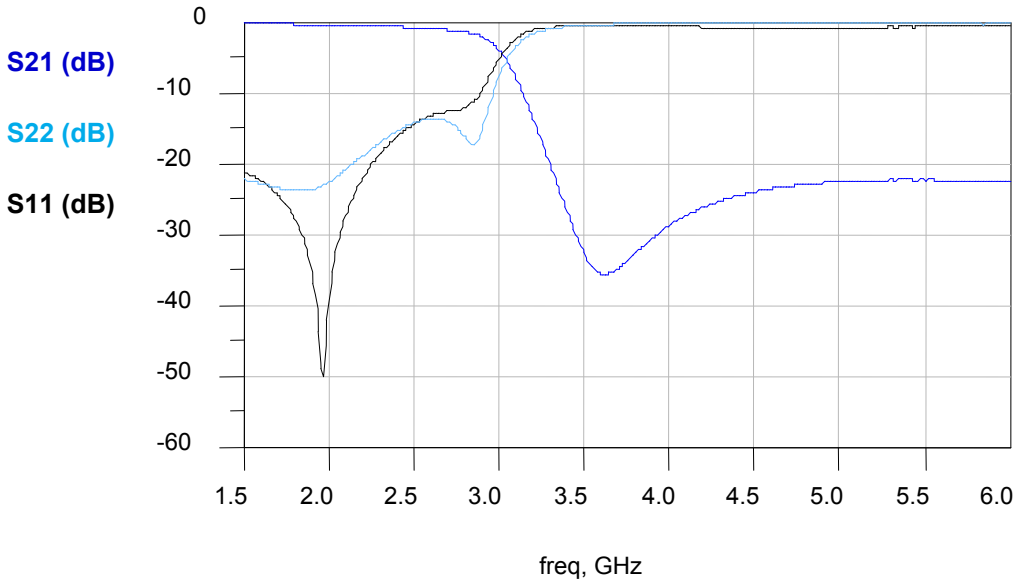
Detail Specification: 10/27/10 Page 2 of 2

Typical Electrical Performance (T=25°C)

Insertion/Return Loss



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