

# "High Frequency Ceramic Solutions"

## 1810 MHz Band Pass Filter

P/N 1810BP07B200

Detail Specification: 06/21/06

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

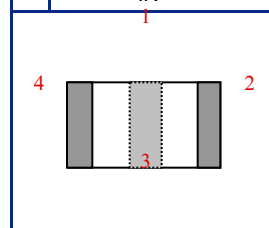
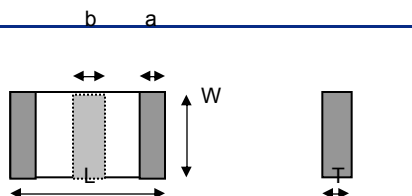
P/N Suffix	Packaging	Bulk	Suffix = S	Eg. 1810BP07B200S
	Style	T & R	Suffix = E	Eg. 1810BP07B200E
	Termination	100% Tin	Suffix = None	Eg. 1810BP07B200(E or S)
	Style	Tin / Lead	Suffix = /Pb	Eg. 1810BP07B200(E or S)00P

### Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN

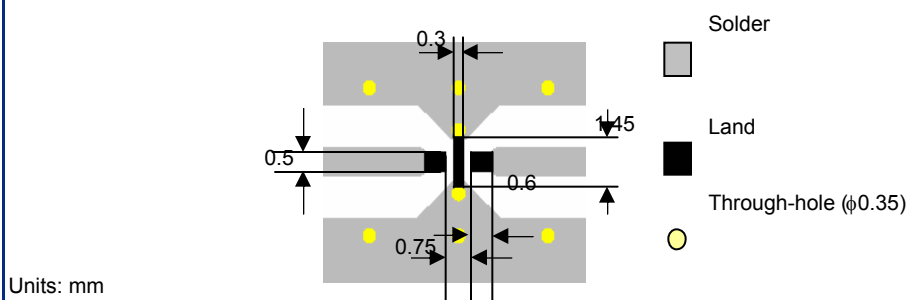
### Mechanical Dimensions

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



### Mounting Considerations

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



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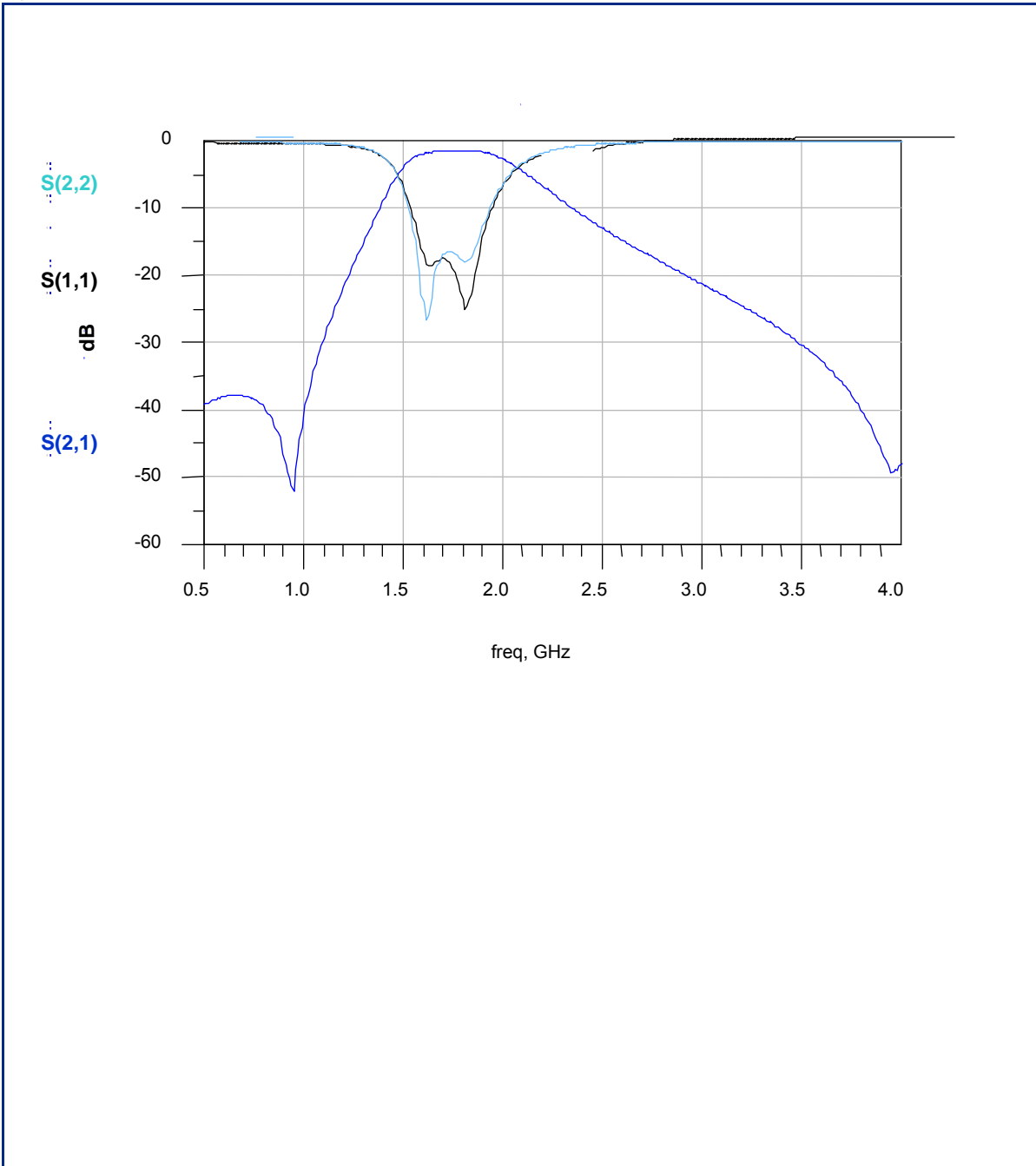
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## Typical Electrical Performance (T=25°C)



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