

# PRELIMINARY

## 1.9 GHz Band Pass Filter

**P/N 1906BP18C027**

Detail Specification: 06/05/07

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### General Specifications

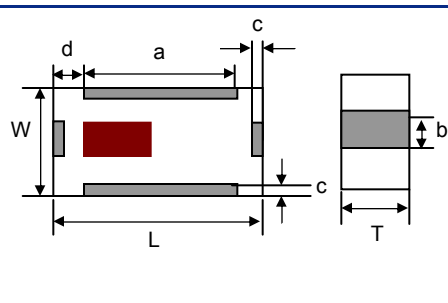
<b>Part Number</b>	1906BP18C027	
<b>Frequency (MHz)</b>	1893 - 1920	
<b>Insertion Loss</b>	3.0 dB max.	
<b>Return Loss</b>	9.5 dB min.	
<b>Attenuation (min.)</b>	1427 ~ 1454 MHz	40 dB
<b>Attenuation (min.)</b>	1660 ~ 1687 MHz	35 dB
<b>Attenuation (min.)</b>	2126 ~ 2153 MHz	15 dB

<b>Input Power</b>	500 mW max.
<b>Impedance</b>	50 $\Omega$
<b>Operating Temperature</b>	-40 to +85°C
<b>Storage Temperature</b>	-40 to +85°C
<b>Reel Quantity</b>	3,000
<b>MSL</b>	2 *

\* - 1 yr shelf life in bag; 1 week shelf life out of bag;  
Vacuum reseal unused reel

### Mechanical Dimensions

	In	mm
<b>L</b>	0.126 ± 0.006	3.20 ± 0.15
<b>W</b>	0.063 ± 0.006	1.60 ± 0.15
<b>T</b>	0.051 ± 0.004	1.30 ± 0.10
<b>a</b>	0.075 ± 0.006	1.90 ± 0.15
<b>b</b>	0.020 ± 0.006	0.50 ± 0.15
<b>c</b>	0.012 ± 0.008	0.30 ± 0.20
<b>g</b>	0.026 ± 0.008	0.65 ± 0.20



### Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN

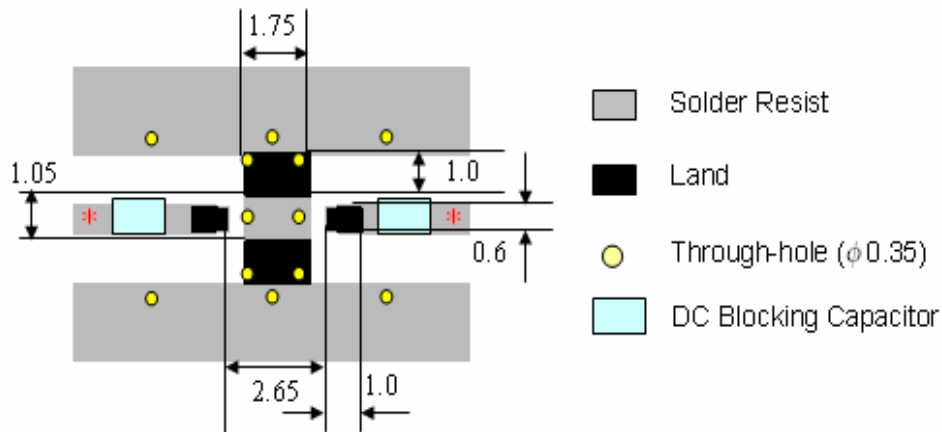
The terminal configuration diagram shows a rectangular component with four terminals. Terminal 1 is at the top, terminal 2 is on the right, terminal 3 is at the bottom, and terminal 4 is on the left. A red block is located in the center of the component.

### Mounting Considerations

Mount these devices with brown mark facing up.

\* Line width should be designed to provide 50 $\Omega$  impedance matching characteristics.

Units: mn



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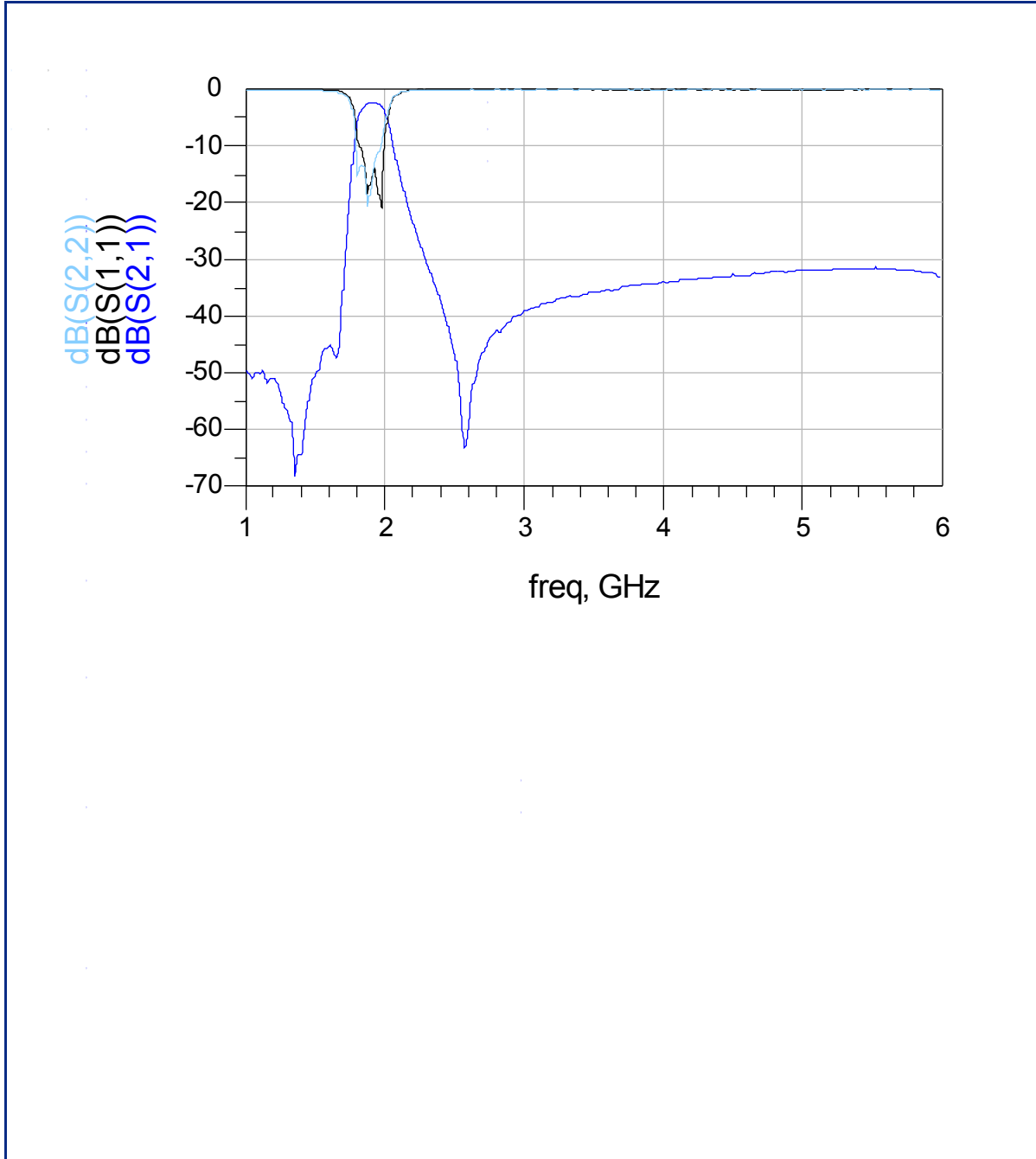
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### Typical Electrical Performance (T=25°C)



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