

"High Frequency Ceramic Solutions"

1.9 GHz Band Pass Filter

Detail Specification: 06/05/07

P/N 1906BP18C027

Page 1 of 2

General Specifications

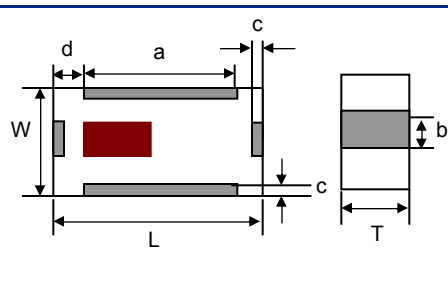
Part Number	1906BP18C027	
Frequency (MHz)	1893 - 1920	
Insertion Loss	3.0 dB max.	
Return Loss	9.5 dB min.	
Attenuation (min.)	1427 ~ 1454 MHz	40 dB
Attenuation (min.)	1660 ~ 1687 MHz	35 dB
Attenuation (min.)	2126 ~ 2153 MHz	15 dB

Input Power	500 mW max.
Impedance	50 Ω
Operating Temperature	-40 to +85°C
Storage Temperature	-40 to +85°C
Reel Quantity	3,000
MSL	2 *

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

Mechanical Dimensions

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



Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN

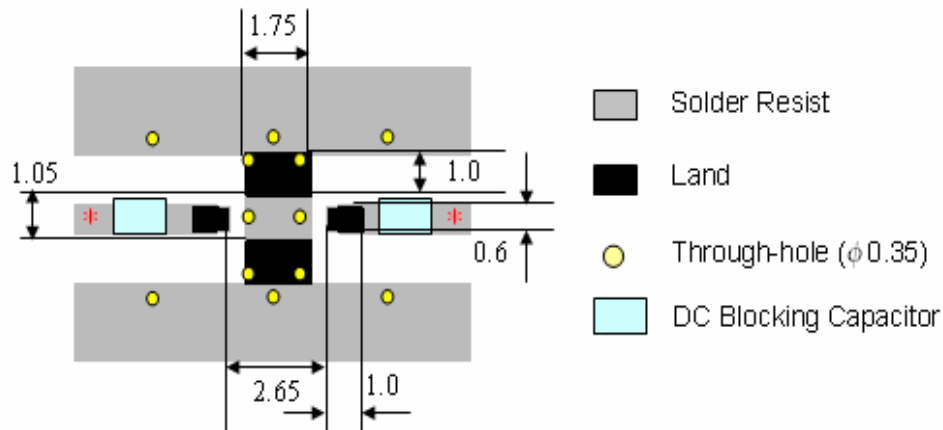
The diagram shows the terminal configuration of the filter. It is a rectangular package with four terminals. Terminal 1 is on the left, terminal 2 is on the right, terminal 3 is on the bottom, and terminal 4 is on the top.

Mounting Considerations

Mount these devices with brown mark facing up.

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

Units: mm



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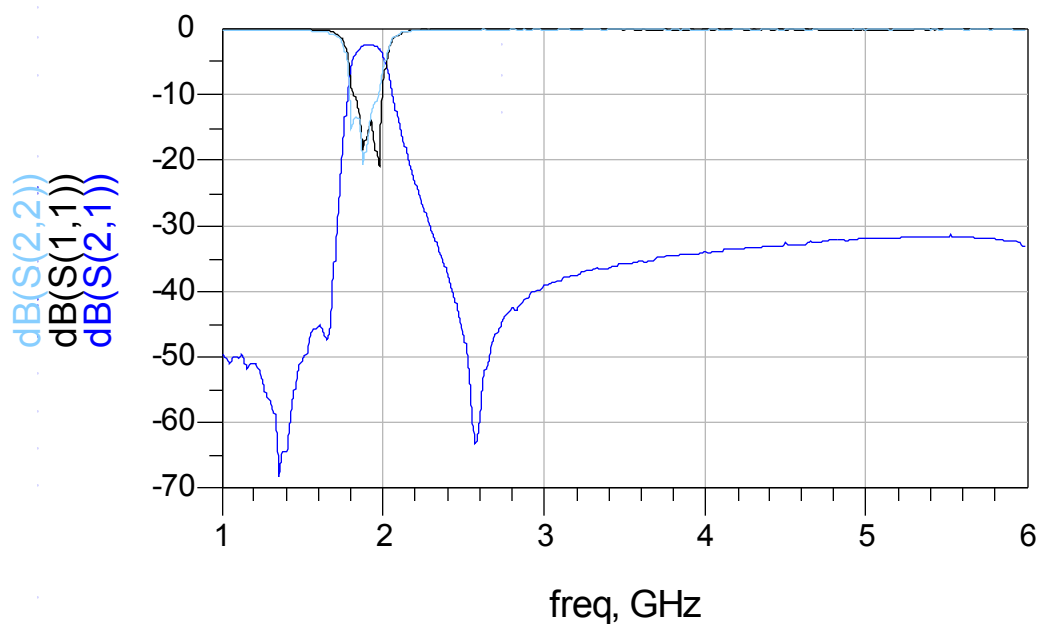
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Typical Electrical Performance (T=25°C)



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