

# "High Frequency Ceramic Solutions"

## 5.5 GHz Band Pass Filter

P/N 5515BP15C975

Detail Specification 04/24/03

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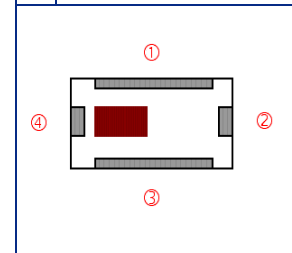
### General Specifications

<b>Part Number</b>	5515BP15C975
<b>Frequency (MHz)</b>	4900~5875
<b>Insertion Loss</b>	2.0 dB max.
<b>Return Loss</b>	8.5 dB min.
<b>Attenuation (min.)</b>	30 dB @ 500~4000MHz
<b>Attenuation (min.)</b>	20 dB @ 4200MHz
<b>Attenuation (min.)</b>	15 dB @ 9800~11750MHz

<b>Input Power</b>	500mW max.
<b>Impedance</b>	50 $\Omega$
<b>Operating Temperature</b>	-40 to +85 °C
<b>Reel Quantity</b>	4,000

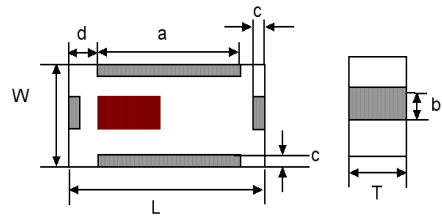
### Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN



### Mechanical Dimensions

	In	mm
<b>L</b>	0.079 ± 0.006	2.00 ± 0.15
<b>W</b>	0.049 ± 0.004	1.25 ± 0.10
<b>T</b>	0.037 ± 0.004	0.95 ± 0.10
<b>a</b>	0.051 ± 0.006	1.30 ± 0.15
<b>b</b>	0.012 ± 0.006	0.30 ± 0.15
<b>c</b>	0.010 ± 0.006	0.25 ± 0.15
<b>d</b>	0.014 ± 0.006	0.35 ± 0.15

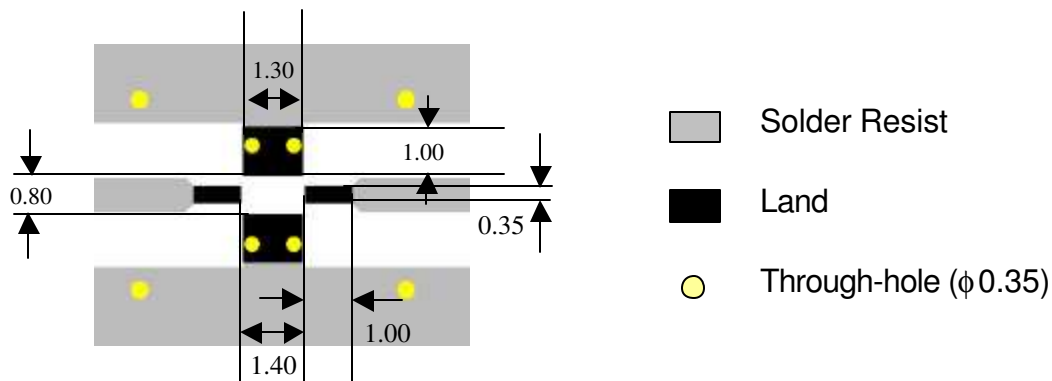


### Mounting Considerations

Mount these devices with brown mark facing up.

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

Units: mm



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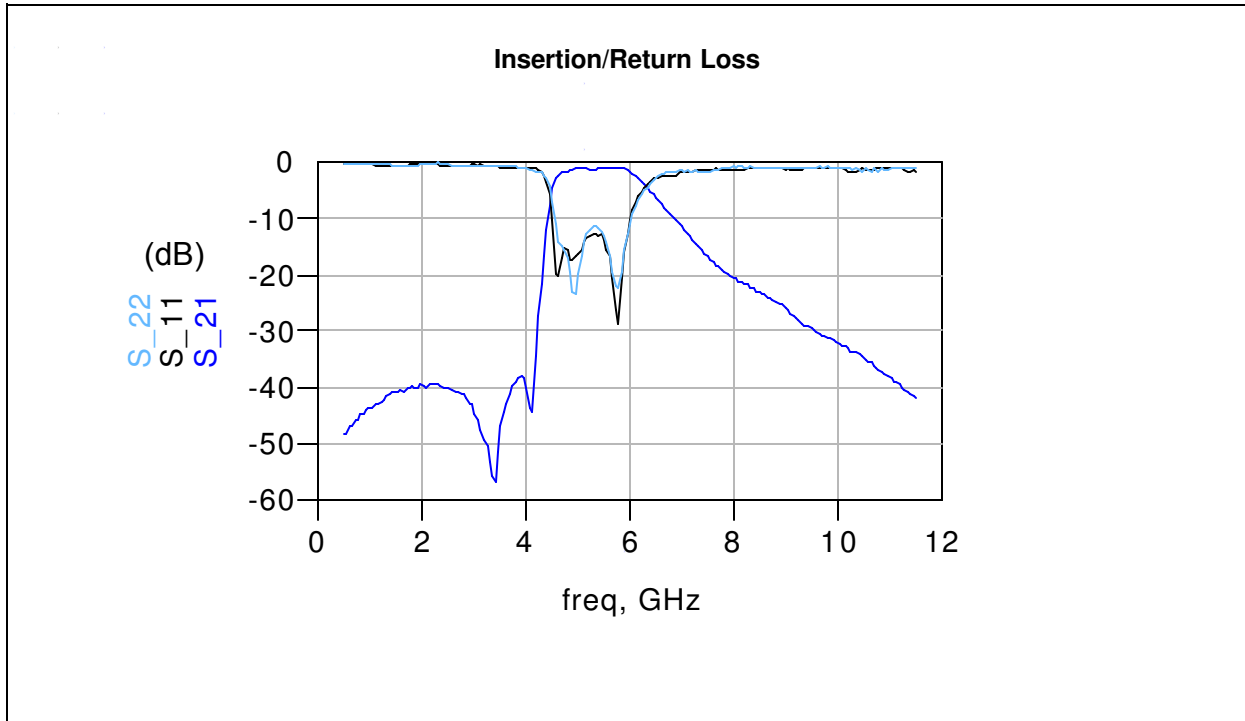
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### Typical Electrical Performance (T=25°C)



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