

# "High Frequency Ceramic Solutions"

## 5.5 GHz Band Pass Filter

P/N 5515BP15C975

Detail Specification 04/24/03

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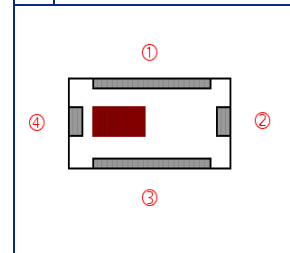
### General Specifications

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

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

### Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN



### Mechanical Dimensions

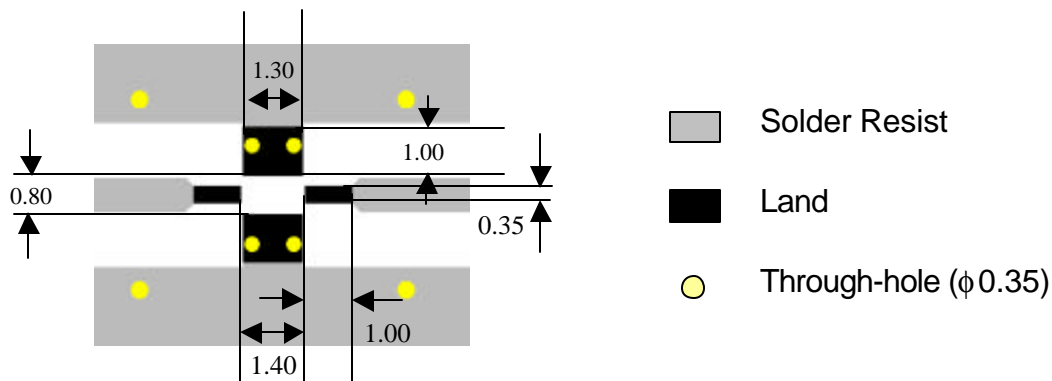
	In	mm
L	0.079 $\pm$ 0.006	2.00 $\pm$ 0.15
W	0.049 $\pm$ 0.004	1.25 $\pm$ 0.10
T	0.037 $\pm$ 0.004	0.95 $\pm$ 0.10
a	0.051 $\pm$ 0.006	1.30 $\pm$ 0.15
b	0.012 $\pm$ 0.006	0.30 $\pm$ 0.15
c	0.010 $\pm$ 0.006	0.25 $\pm$ 0.15
d	0.014 $\pm$ 0.006	0.35 $\pm$ 0.15

### 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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931 Via Alondra • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

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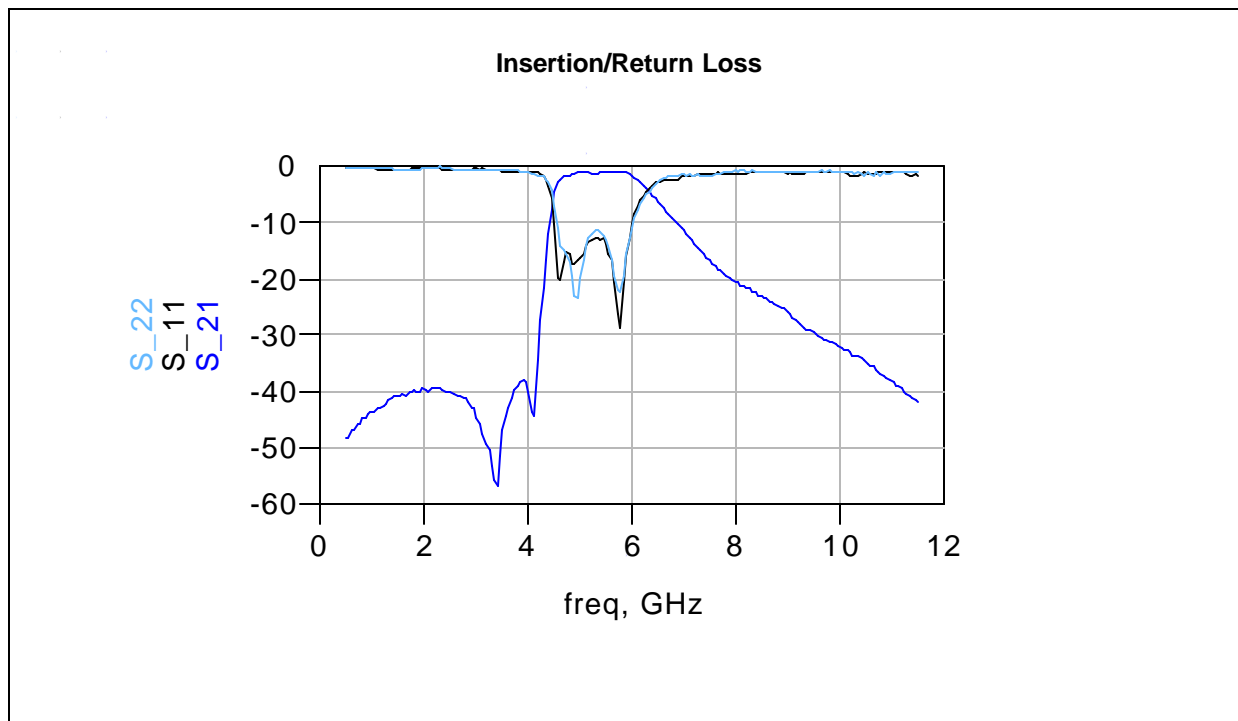
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### Typical Electrical Performance (T=25°C)



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