

# "High Frequency Ceramic Solutions"

## 5.5 GHz Band Pass Filter

Detail Specification 04/15/03

P/N 5515BP15C725

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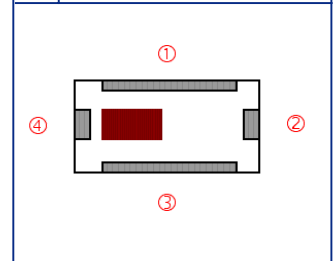
### General Specifications

Part Number	5515BP15C725
Frequency (MHz)	5150 - 5875
Insertion Loss	2.5 dB max.
Return Loss	9.5 dB min.
Attenuation (min.)	30 dB @ 500-4000 MHz
Attenuation (min.)	20 dB @ 4600 MHz
Attenuation (min.)	15 dB @ 10.3-11.8 GHz

Input Power	500 Milliwatts max.
Impedance	50 $\Omega$
Operating Temperature	-40 to +85°C
Reel Quantity	3,000

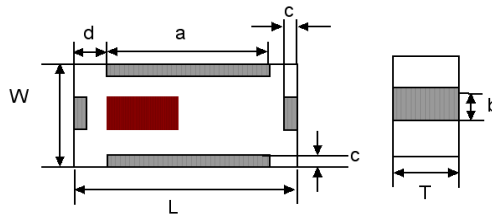
### Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN



### Mechanical Dimensions

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

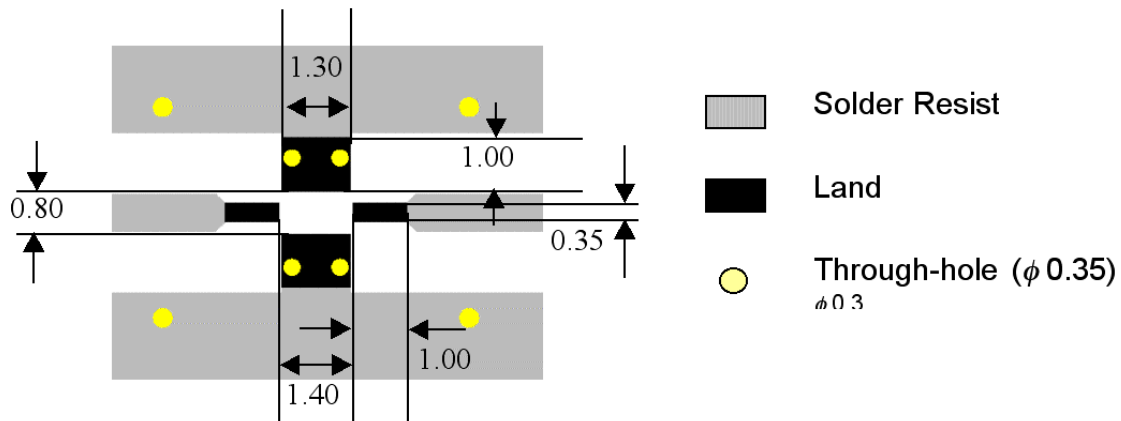


### Mounting Considerations

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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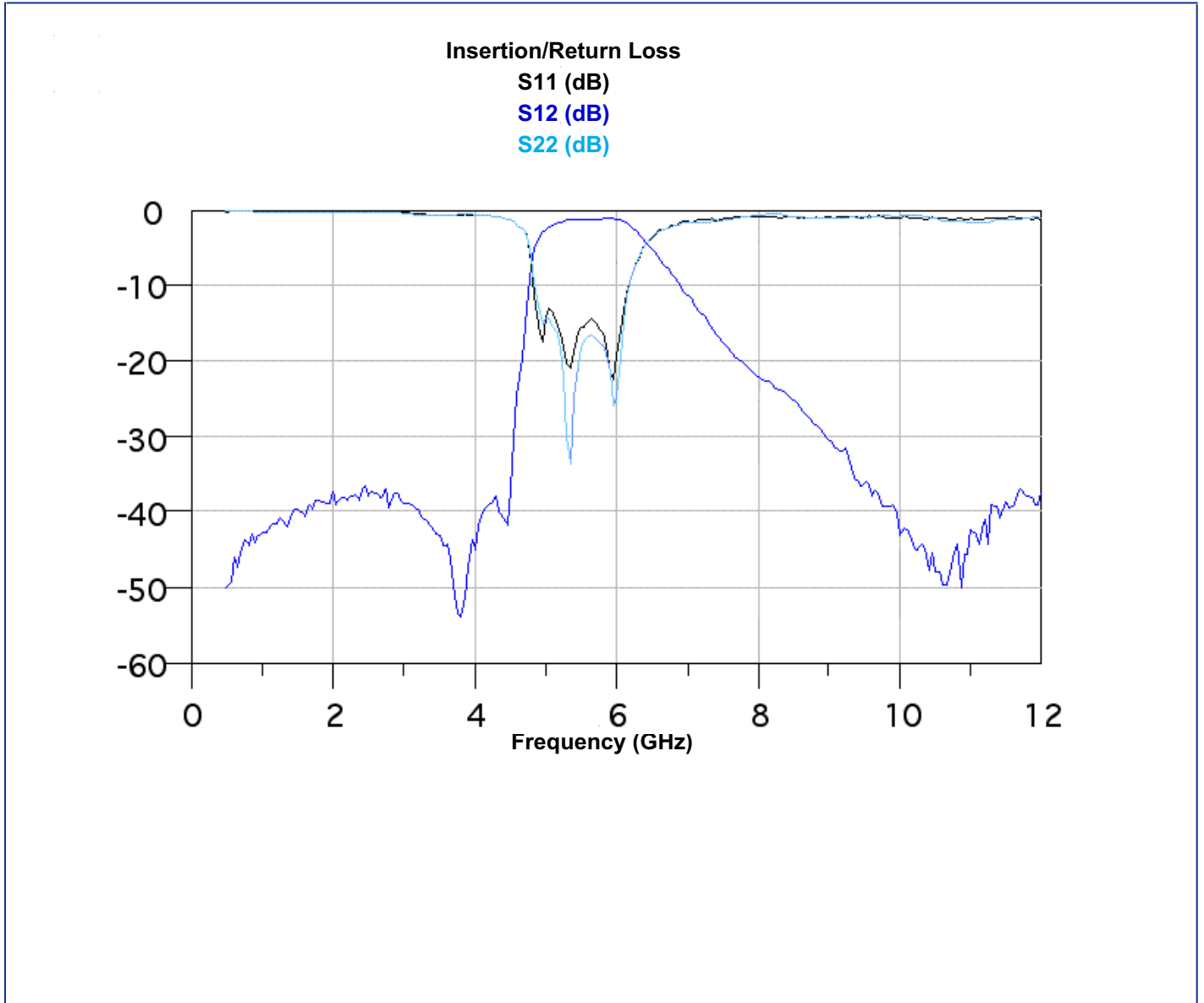
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### Typical Electrical Performance



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