

"High Frequency Ceramic Solutions"

5.5 GHz Band Pass Filter

P/N 5515BP15B725

Detail Specification: 6/1/2016

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General Specifications

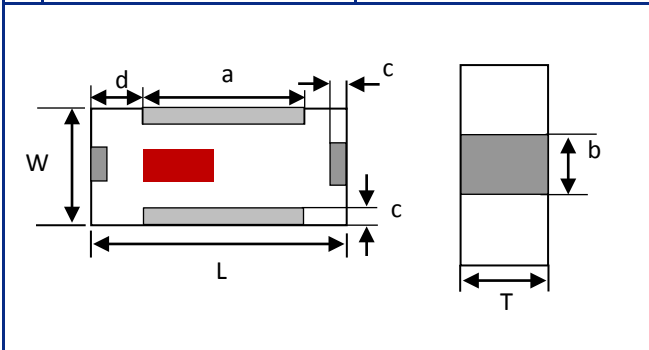
Part Number	5515BP15B725	Insertion Loss	1.5 dB max.
Frequency (MHz)	5150 - 5875	Return Loss	9.5 dB min.
Attenuation (min.)	30 dB @ 3500 MHz	Impedance	50 Ω
Attenuation (min.)	25 dB @ 9800 - 11840 MHz	Input Power	2W max. (CW)
Attenuation (min.)	5 dB @ 14700 - 17760 MHz	Operating Temperature	-40 to +85°C

Part Number Explanation

P/N Suffix	Packing Style	Bulk	Suffix = S	eg. 5515BP15B725S
		T & R	Suffix = T	eg. 5515BP15B725E
		100% Tin	Suffix = None	eg. 5515BP15B725(E or S)
	Termination style	Tin / Lead	Suffix = /Pb	eg. 5515BP15B725(E or S)/Pb
Eval board (50 ohm SMA)		5515BP15B725-EB-SMA		

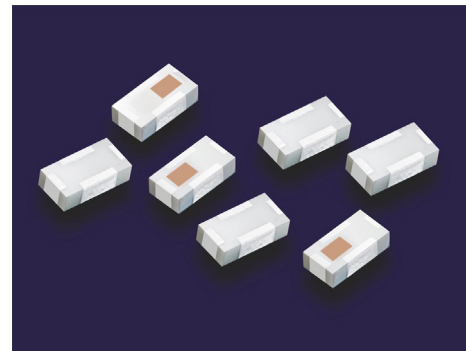
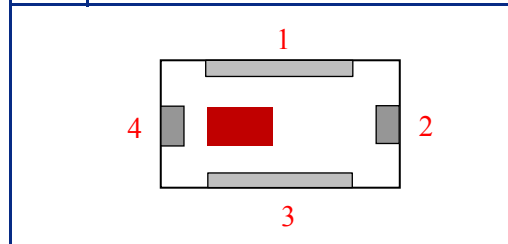
Mechanical Dimensions

	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



Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN



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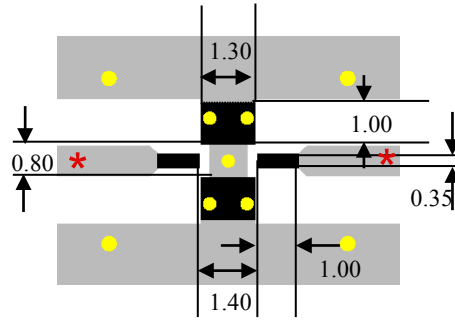
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Mounting Considerations

Mount these devices with brown mark facing up.

* Line width should be designed to provide 50 ohm impedance, depending on PCB material and thickness

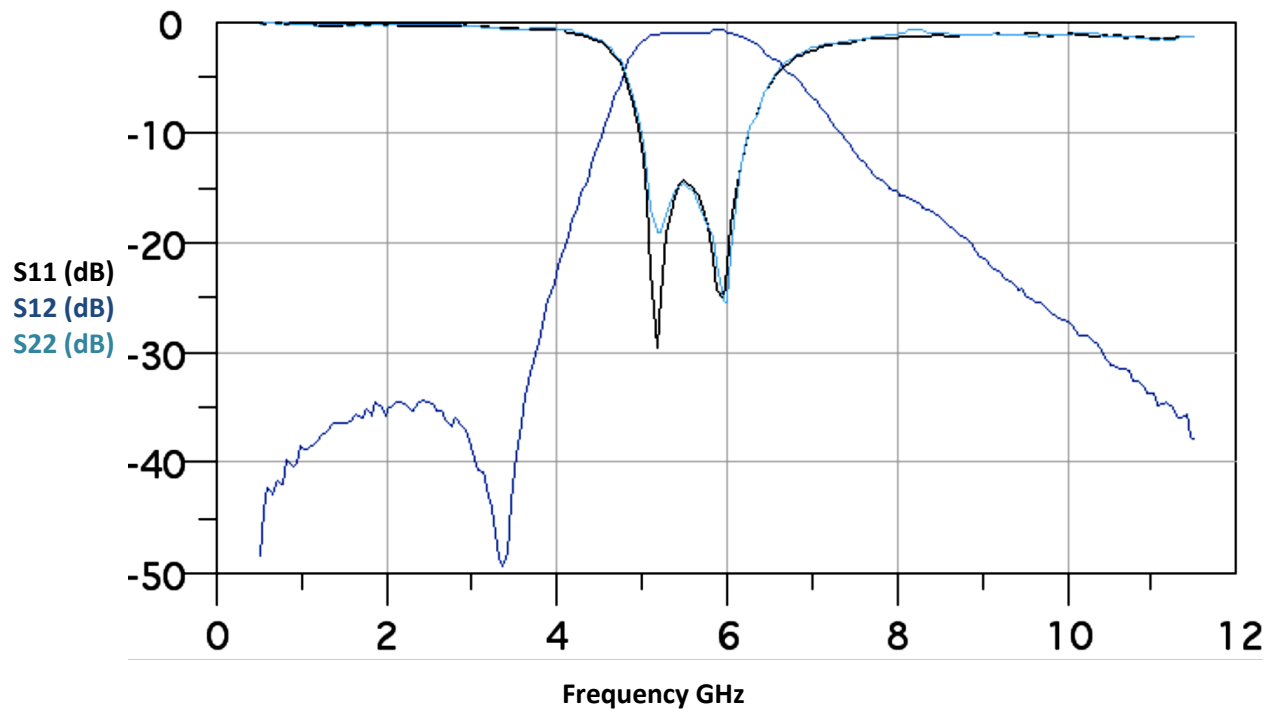


LEGEND

- Solder Resist
- Land
- Through-hole (φ0.35)

Units: mm

Typical Electrical Performance (T=25°C)



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