

"High Frequency Ceramic Solutions"

5.5 GHz Band Pass Filter

P/N 5515BP15B725

Detail Specification: 6/1/2016

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General Specifications

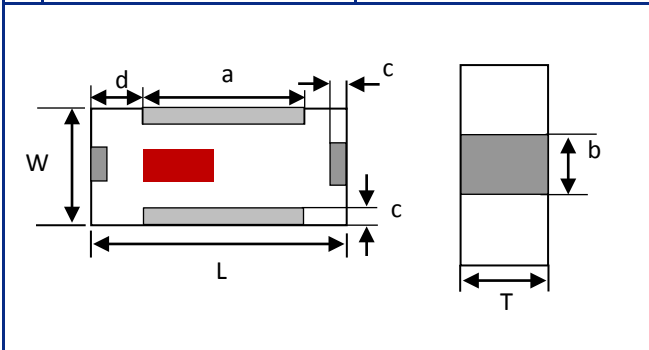
Part Number	5515BP15B725	Insertion Loss	1.5 dB max.
Frequency (MHz)	5150 - 5875	Return Loss	9.5 dB min.
Attenuation (min.)	30 dB @ 3500 MHz	Impedance	50 Ω
Attenuation (min.)	25 dB @ 9800 - 11840 MHz	Input Power	2W max. (CW)
Attenuation (min.)	5 dB @ 14700 - 17760 MHz	Operating Temperature	-40 to +85°C

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		

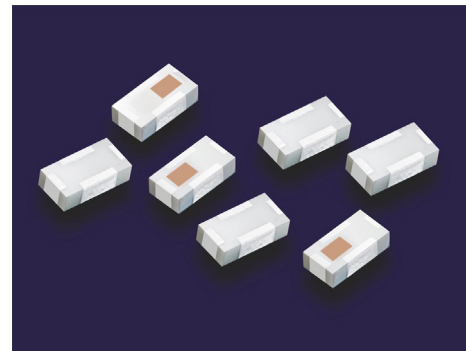
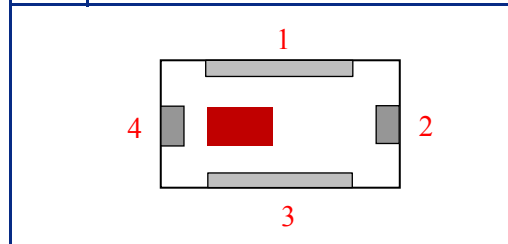
Mechanical Dimensions

	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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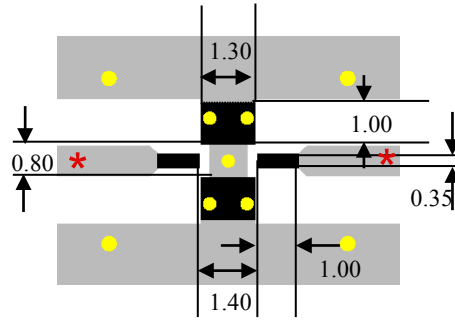
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Mounting Considerations

Mount these devices with brown mark facing up.

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

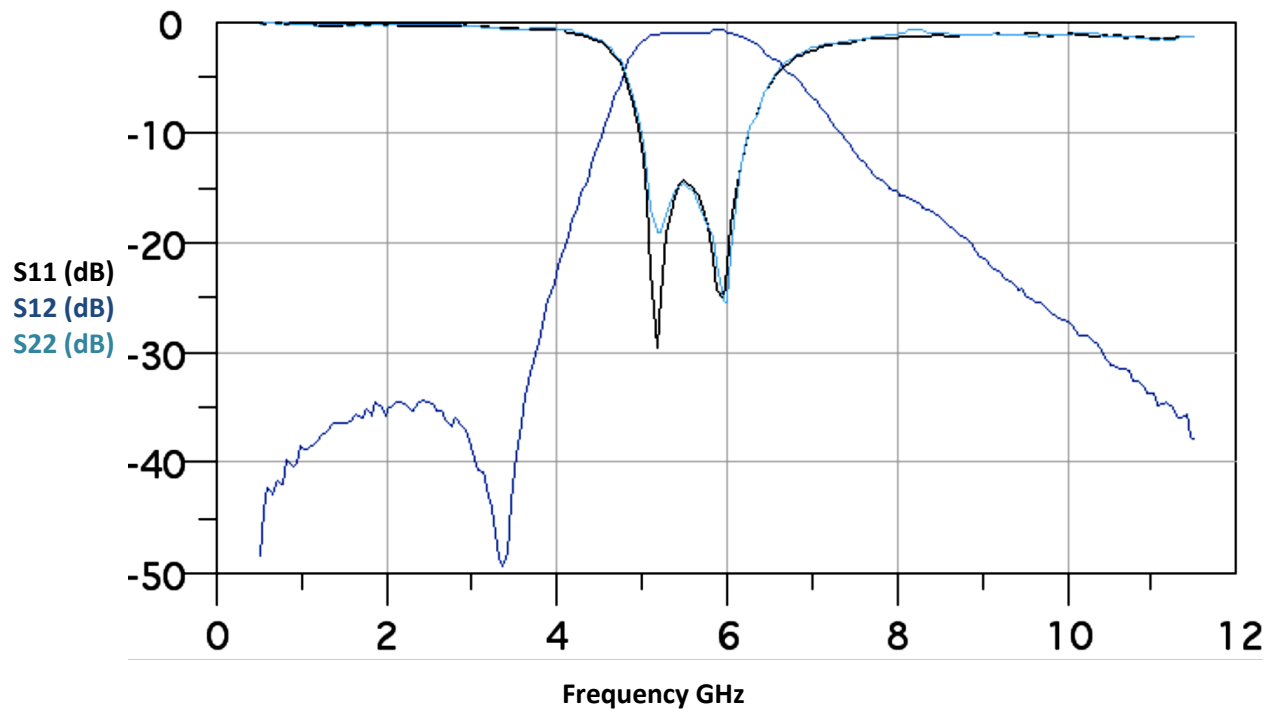


LEGEND

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

Units: mm

Typical Electrical Performance (T=25°C)



Johanson Technology, Inc. reserves the right to make design changes without notice. Please confirm the specifications and delivery conditions when placing your order. All sales are subject to Johanson Technology, Inc. terms and conditions.



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