

# High Frequency Ceramic Solutions

Preliminary

## 2.15 GHz Band Pass Filter

P/N 2150BP39A0100

Detail Specification: 05/03/11

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### General Specifications

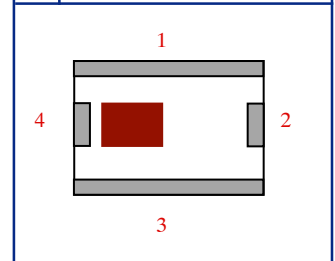
Part Number	2150BP39A0100	
Frequency (MHz)	2100 ~ 2200	
Attenuation (min.)	1950 MHz	18 dB
Attenuation (min.)	2360 MHz	18 dB

Insertion Loss	3.2 dB max.
Return Loss	9.5 dB min.
Input Power	500 mW max.
Impedance	50 $\Omega$
Reel Quantity	3000
Operating Temperature	-40 to +85°C
Storage Temperature	+5 ~ +35°C, Humidity 45~75%RH, 12 mos. max

P/N	Packaging	Bulk	Suffix = S	Eg. 2150BP39A0100S
	Style	T & R	Suffix = E	Eg. 2150BP39A0100E
Suffix	Termination	100% Tin	Suffix = None	Eg. 2150BP39A0100(E or S)
	Style	Tin / Lead	Suffix = /Pb	Eg. 2150BP39A0100(E or S)/Pb

### Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN



### Mechanical Dimensions

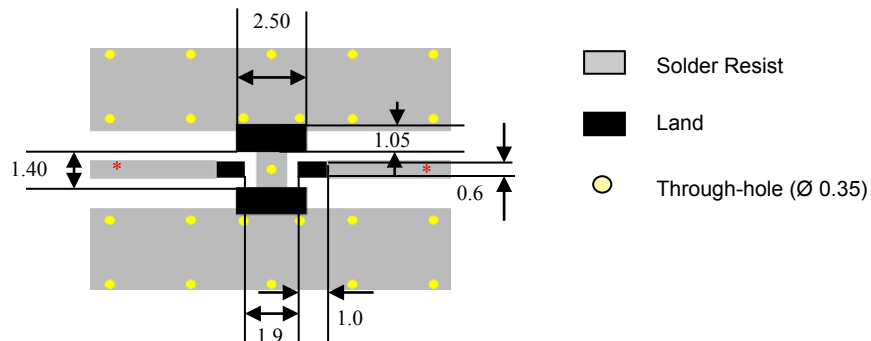
	In	mm
L	0.098 ± 0.008	2.50 ± 0.20
W	0.079 ± 0.008	2.00 ± 0.20
T	0.035 ± 0.004	0.90 ± 0.10
a	0.012 ± 0.008	0.30 ± 0.20
b	0.024 ± 0.008	0.60 ± 0.20
c	0.012 ± 0.008	0.30 ± 0.20

### 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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[www.johansontechology.com](http://www.johansontechology.com)

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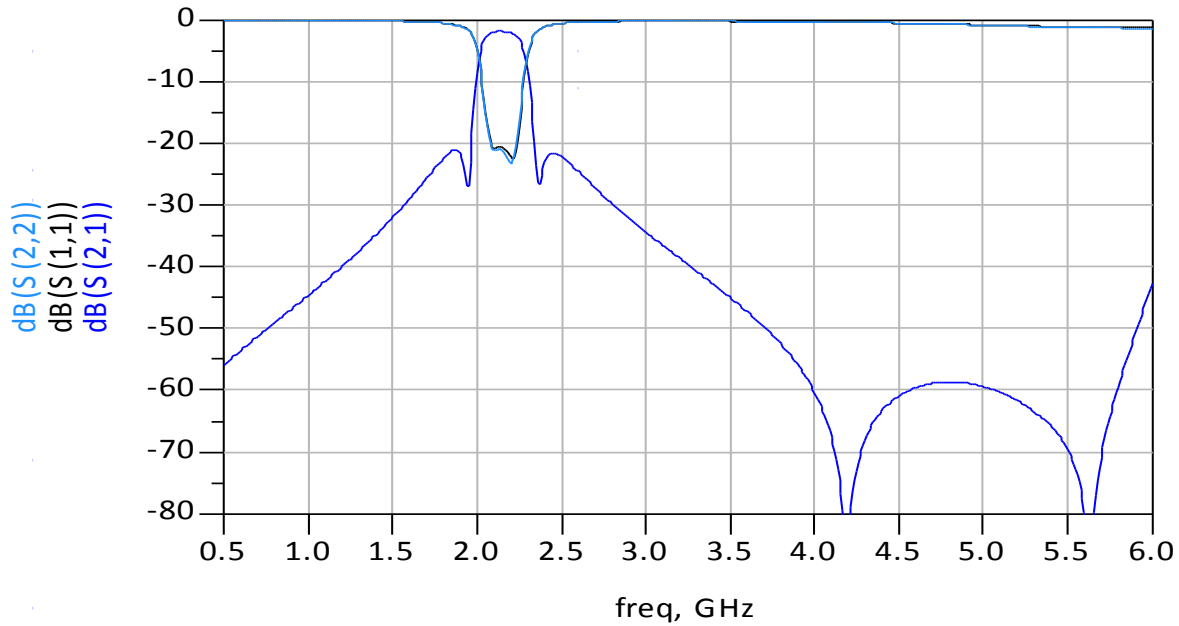
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### Typical Electrical Performance (T=25°C)



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