

High Frequency Ceramic Solutions

5.4 GHz Band Pass Filter

P/N 5425BP15A1050

Detail Specification: 1/16/2013

Page 1 of 2

General Specifications

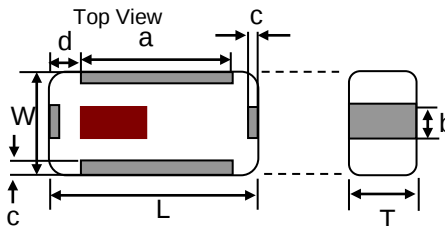
Part Number	5425BP15A1050	Impedance	50 Ω
Frequency (MHz)	4900 ~ 5950	Input Power	2W max.
Attenuation (min.)	40 dB @ 1280 ~ 3300MHz	Reel Quantity	4,000
Attenuation (min.)	25 dB @ 3300 ~ 4000MHz	Operating Temperature	-40 to +85°C
Attenuation (min.)	7 dB @ 4375 ~ 4465MHz	Storage Temperature*	-40 to +85°C
Attenuation (min.)	14 dB @ 7300 ~ 8930MHz	Recommended Storage Conditions*	+5 ~ +35°C, Humidity: 45~75%RH
Attenuation (min.)	25 dB @ 9800 ~ 11900MHz		
Insertion Loss	2.0 dB max.		
Return Loss	9.0 dB min.		

*18 months in vacuum sealed bag and 1 week after opened. Go to: www.johansontechnology.com/silverleads for details

P/N Suffix	Packing Style	Bulk	Suffix = S	eg. 5425BP15A1050S
		T & R	Suffix = E	eg. 5425BP15A1050E
	Evaluation Board	5425BP15A1050-EB1SMA		

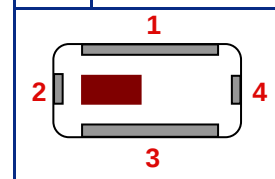
Mechanical Dimensions

	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



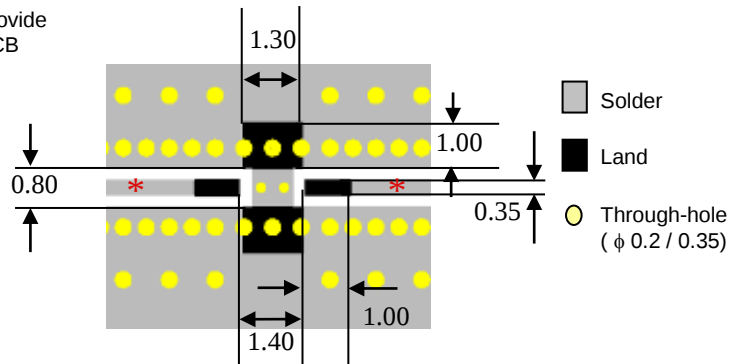
Terminal Configuration

No.	Function
1	GND
2	IN
3	GND
4	OUT



Mounting Considerations

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



Units: mm

Johanson Technology, Inc. reserves the right to make design changes without notice.

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Ver. 4.0

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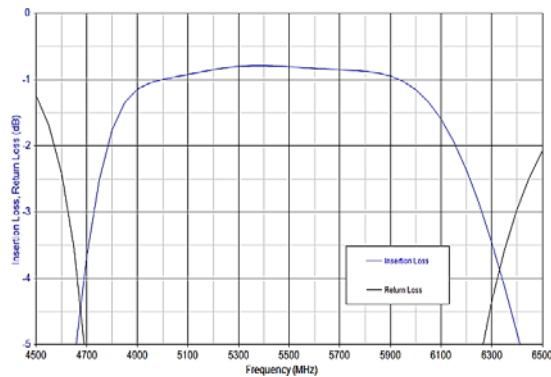
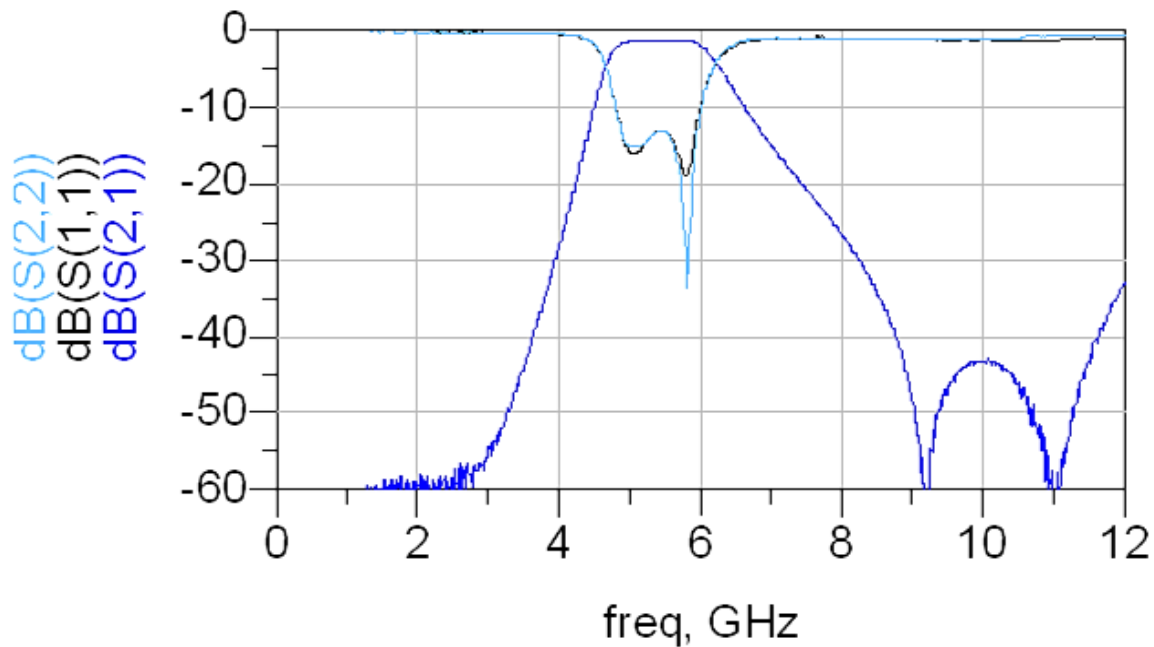
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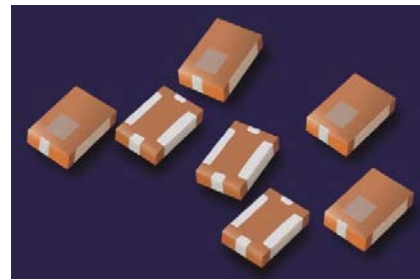
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Page 2 of 2

Typical Electrical Performance (T=25°C)



Solder Paste recommendation:
SAC 305 type is recommended.



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