

"High Frequency Ceramic Solutions"

5.5GHz EIA 0603 High Rejection Band Pass Filter for WiFi, ISM

P/N 5550BP14D0800

Detail Specification: 1/5/2019

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General Specifications

Part Number	5550BP14D0800	Attenuation (min.)	20min. @ 6900MHz
Passband	5150 - 5950 MHz	Return Loss	9.5 dB min.
Insertion Loss	0.8 max. @-40 to +85°C 1.0 max. @+85 to +105°C	Power Capacity	3W max. (CW)
		Reel Quantity	4,000
Attenuation (min.)	40min. @ 700-2690MHz	Operating Temp.	-40 ~ +105°C
Attenuation (min.)	45min. @ 3400-3800MHz	Storage Temp.	-40 ~ +105°C
Attenuation (min.)	20min. @ 7250-7800MHz	Storage Period	18 months max.
Attenuation (min.)	20min. @ 10300-11700MHz		



Part Number Explanation

P/N Suffix	Packing Style	Bulk	Suffix = S	eg. 5550BP14D0800S
		T & R	Suffix = T	eg. 5550BP14D0800T
	Termination style	100% Tin	Suffix = None	eg. 5550BP14D0800 (T or S)
	Evaluation Board	2 Female SMA connectors		5550BP14D0800-EB1SMA

Mechanical Dimensions

	In	mm
L	0.063 ± 0.006	1.60 ± 0.15
W	0.031 ± 0.006	0.80 ± 0.15
T	0.027 max.	0.69 max.
a	0.010 ± 0.004	0.25 ± 0.10
b	0.016 ± 0.004	0.40 ± 0.10
c	0.009 ± 0.002	0.23 ± 0.05
d	0.022 ± 0.004	0.55 ± 0.10
e	0.024 ± 0.004	0.60 ± 0.10

Terminal Configuration

No.	Function
1	I/O
2	GND
3	I/O

Mounting Considerations

Always mount this device with maroon mark facing up otherwise, improper operation can be expected.

* Line width should be designed to match 50Ω characteristic impedance, depending on PCB material and thickness.

Want the layout file or need us to revise your layout to make sure is correct? Send us a message at:
www.johansontechnology.com/ask-a-question

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"High Frequency Ceramic Solutions"

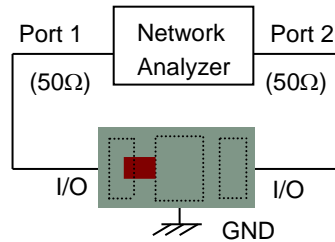
5.5GHz EIA 0603 High Rejection Band Pass Filter for WiFi, ISM

P/N 5550BP14A0800

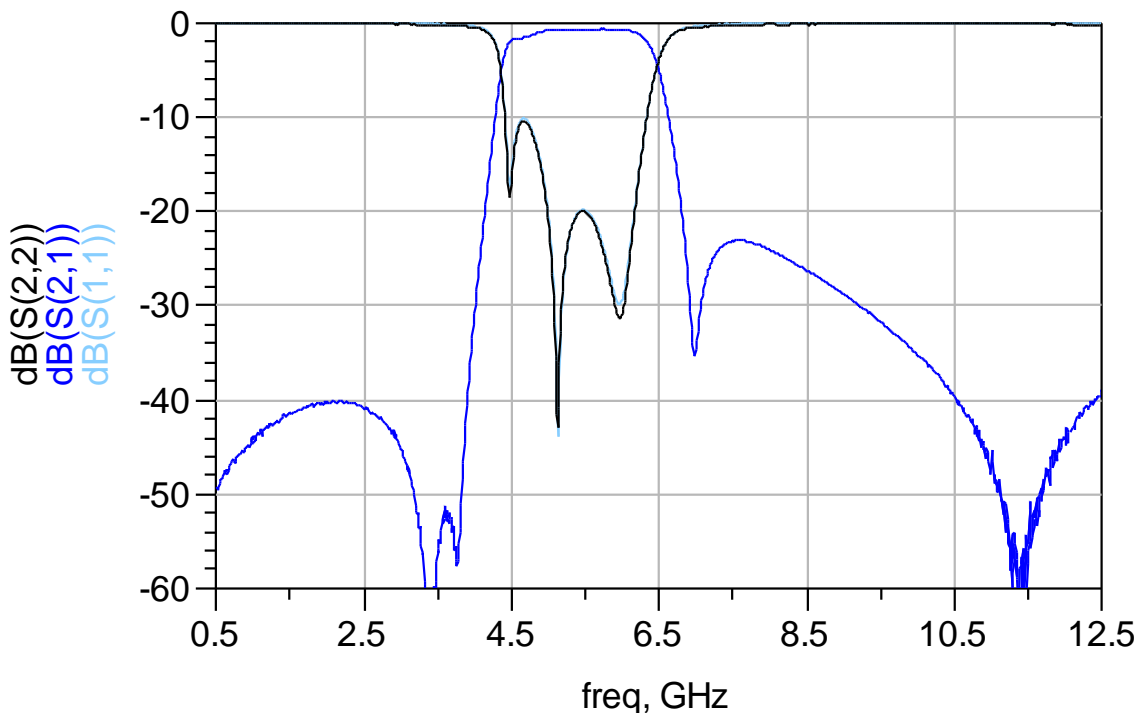
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Measuring Diagram



Typical Electrical Performance (T=25°C)



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