

"High Frequency Ceramic Solutions"

5GHz EIA 0603 Low Profile Band Pass Filter

P/N 5550BP14B0800

Detail Specification: 5/11/2017

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General Specifications

Part Number	5550BP14B0800	Frequency Range	5150 - 5950 MHz
Insertion Loss	0.8 typ. @25°C	Return Loss	9.5 dB min.
	0.9 max. @-40°C~85°C	Power Capacity	1W max. (CW)
Attenuation (min.)	40min. @ 700-2690MHz	Reel Quantity	4,000
Attenuation (min.)	45min. @ 3400-3800MHz	Operating Temp.	-40 ~ +85°C
Attenuation (min.)	20min. @ 7250-7800MHz	Storage Temp.	-40 ~ +85°C
Attenuation (min.)	20min. @ 10300-11700MHz	Storage Period	18 months max.

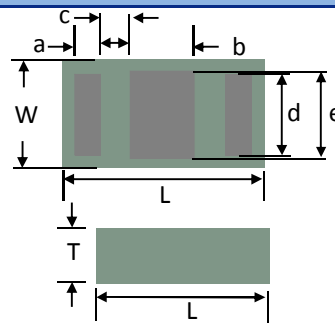


Part Number Explanation

P/N Suffix	Packing Style	Bulk	Suffix = S	eg. 5550BP14B0800S
		T & R	Suffix = T	eg. 5550BP14B0800T
	Termination style	100% Tin	Suffix = None	eg. 5550BP14B0800 (T or S)
	Evaluation Board	2 Female SMA connectors		5550BP14B0800-EB1SMA

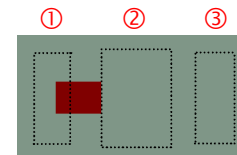
Mechanical Dimensions

	In	mm
L	0.063 ± 0.006	1.60 ± 0.15
W	0.031 ± 0.006	0.80 ± 0.15
T	0.024 max.	0.6max.
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

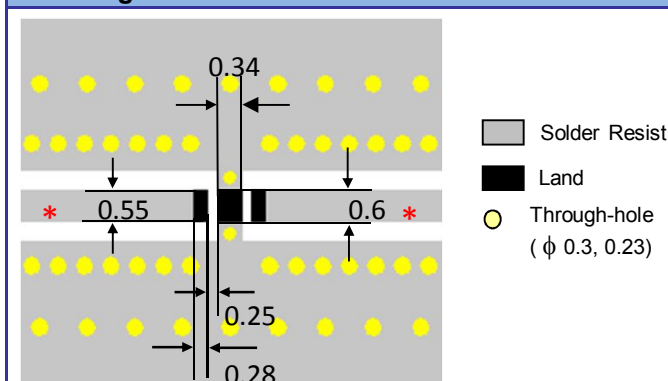


Terminal Configuration

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:

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Ver. 1.2

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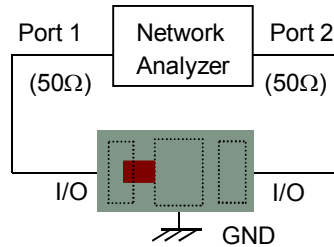
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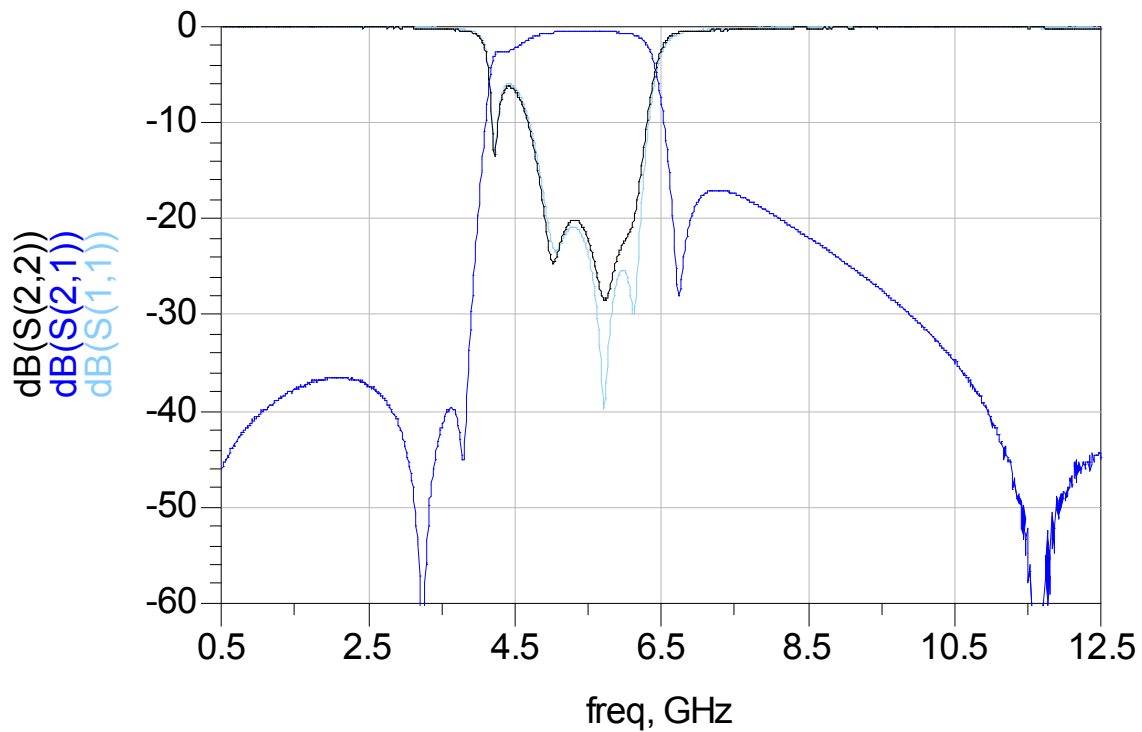
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Measuring Diagram



Typical Electrical Performance (T=25°C)



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