

"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		

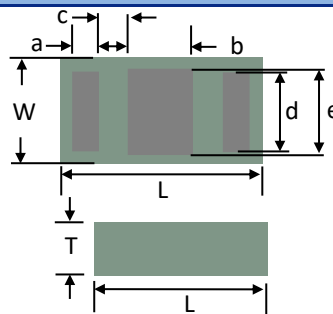


Part Number Explanation

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

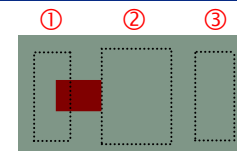
Mechanical Dimensions

	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

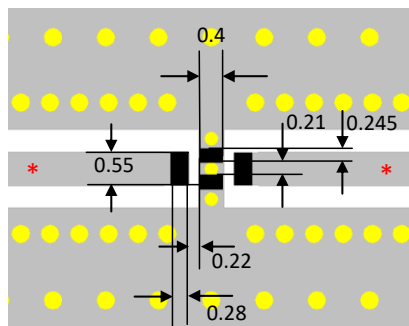


Terminal Configuration

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



Mounting Considerations



- Solder Resist
- Land
- Through-hole
(ϕ 0.3, 0.23)

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

* Line width should be designed to match 50 Ω 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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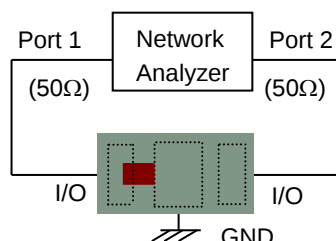
5.5GHz EIA 0603 High Rejection Band Pass Filter for WiFi, ISM

P/N 5550BP14A0800

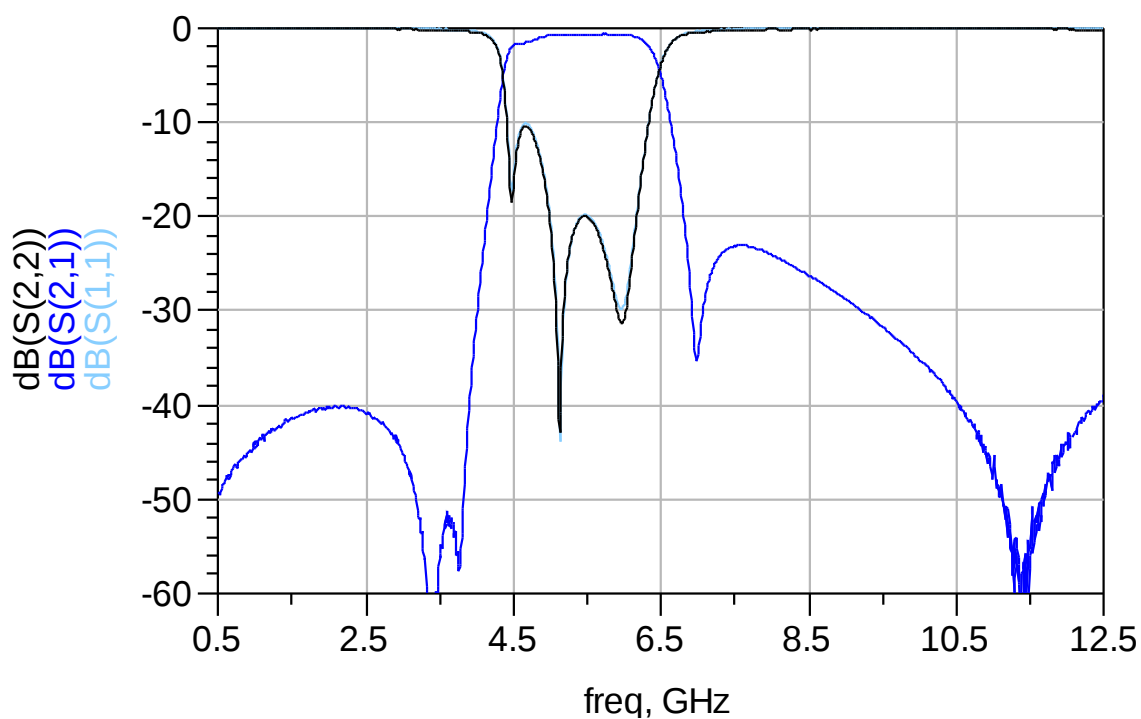
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Measuring Diagram



Typical Electrical Performance (T=25°C)



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RoHS Compliance

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