



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



"High Frequency Ceramic Solutions"

5GHz EIA 0603 Low Profile Band Pass Filter

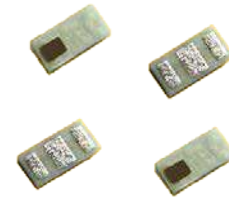
P/N 5550BP14A0800

Detail Specification: 5/10/2017

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General Specifications

Part Number	5550BP14A0800	Frequency Range	5150 - 5950 MHz
Insertion Loss	0.7 typ.@25°C	Return Loss	9.5 dB min.
	0.9 max.@-40C~ 85°C	Power Capacity	1W max. (CW)
Attenuation (min.)	35min.@ 700-2690MHz	Reel Quantity	4,000
Attenuation (min.)	30min.@ 3400-3800MHz	Operating Temp.	-40 ~ +85°C
Attenuation (min.)	12min.@ 7250-7800MHz	Storage Temp.	-40 ~ +85°C
Attenuation (min.)	20min.@10300-11700MHz	Storage Period	18 months max.

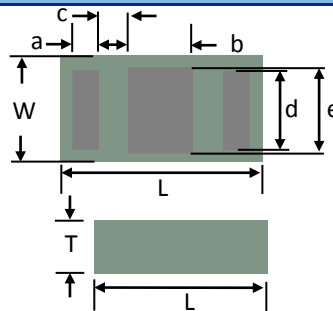


Part Number Explanation

P/N Suffix	Packing Style	Bulk	Suffix = S	eg. 5550BP14A0800S
		T & R	Suffix = T	eg. 5550BP14A0800T
	Termination style	100% Tin	Suffix = None	eg. 5550BP14A0800 (T or S)
	Evaluation Board	2 Female SMA connectors		5550BP14A0800-EB1SMA

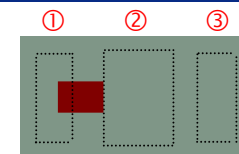
Mechanical Dimensions

	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

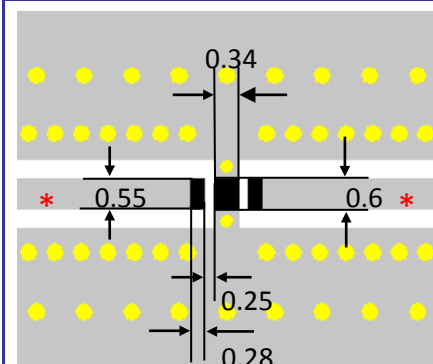


Terminal Configuration

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.

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

* 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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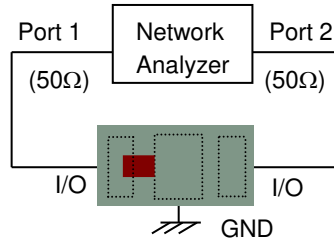
5GHz EIA 0603 Low Profile Band Pass Filter

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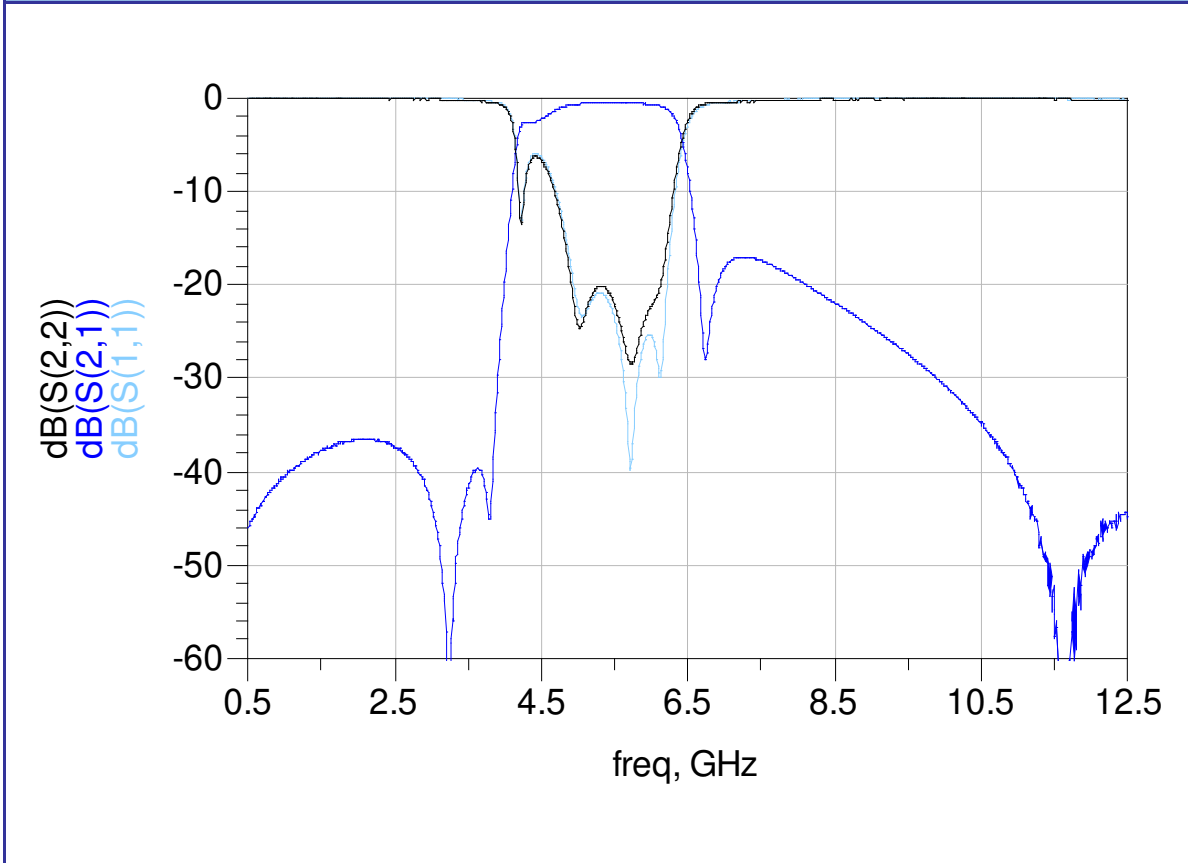
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Measuring Diagram



Typical Electrical Performance (T=25°C)



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