High Frequency Ceramic Solutions

2.45GHz Mini (EIA 0504) Passive Band Pass Filter, LGA pads, SMD **P/N 2450BP08A0100**

Detail Specification: 1/31/2017

General Specifications	
Part Number	2450BP08A0100
Frequency (MHz)	2400 ~ 2500
Insertion Loss (dB)	1.0 max. @ 25°C
Return Loss	9.0 dB min.
Attenuation (min.)	15 min. @ 5 ~ 960MHz
Attenuation (min.)	10 min. @ 1710 ~ 1990MHz
Attenuation (min.)	15 min. @ 3600MHz
Attenuation (min.)	25 min. @ 4800 ~ 7200MHz
Reel Quantity	4,000
Operating/Strge Temp.	-40 to +85°C
Storage Period	18 months max.*



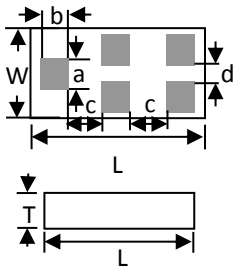
Recommended Storage Conditions for unused T&R Product*	+5 ~ +35°C, Humidity: 45~75%RH
Solder Paste	SAC 305 type is recommended.
Power Capacity	2W max.(CW)

*18 months in vacuum sealed bag and 1 week after opened. Please keep unused parts in vacuum sealed bags. For more info go to www.johansontechnology.com/silverleads.

P/N Suffix	**Packing Style**	Bulk	Suffix = S	eg. 2450BP08A0100S
		T & R	Suffix = T	eg. 2450BP08A0100T
	Evaluation Board	2450BP08A0100-EB1SMA		

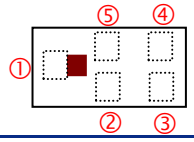
Mechanical Specifications

	In	mm
L	0.055 ± 0.006	1.40 ± 0.15
W	0.043 ± 0.006	1.10 ± 0.15
T	0.024 max.	0.6 max
a	0.013 ± 0.004	0.33 ± 0.10
b	0.010 ± 0.004	0.25 ± 0.10
c	0.010 ± 0.002	0.25 ± 0.05
d	0.010 ± 0.002	0.25 ± 0.05



Terminal Configuration

No.	Function	No.	Function
1	IN/OUT	4	IN/OUT
2	GND	5	GND
3	GND		



Want the layout file of the above? Send us a message at: www.johansontechnology.com/component/techquestion

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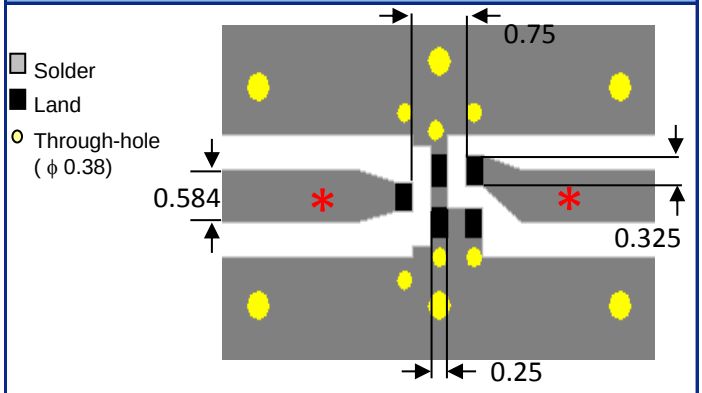
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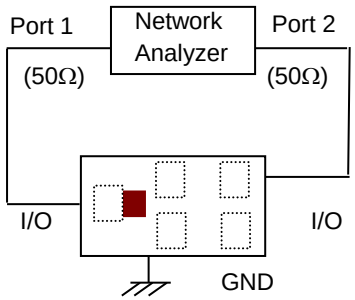
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Mounting Considerations

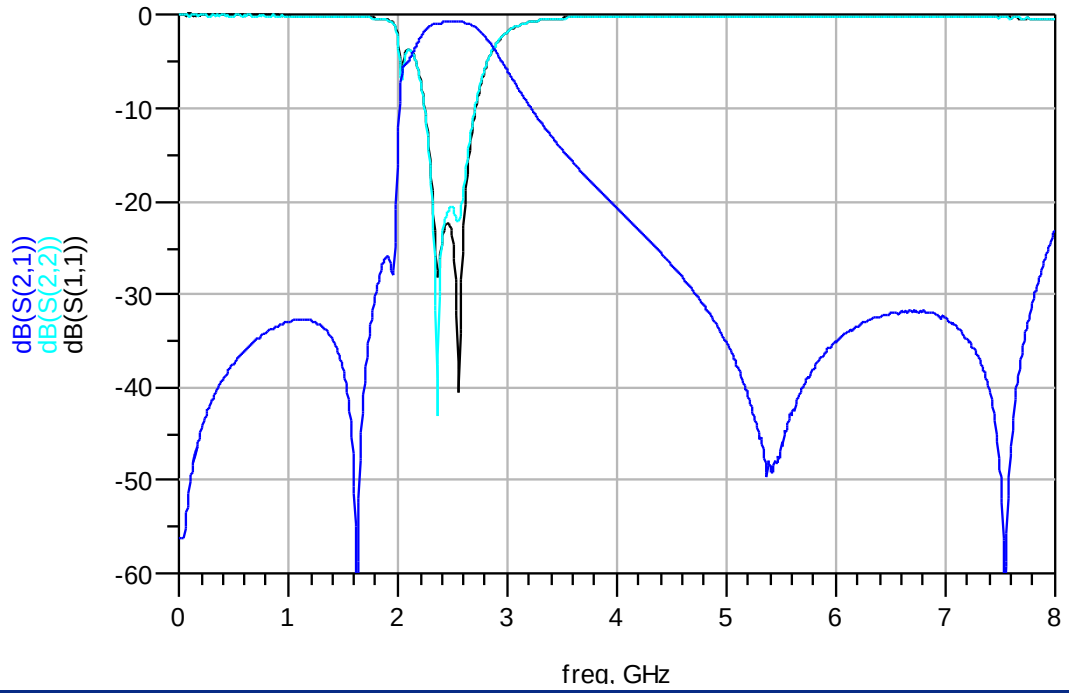


*Line width should be designed to match 50Ω characteristic impedance, depending on PCB material and thickness.
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Measuring Diagram



Electrical Characteristics (T=25°C)



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