

High Frequency Ceramic Solutions

2.45GHz Mini (EIA 0504) Passive Band Pass Filter, LGA pads, SMD

P/N 2450BP08A0100

Detail Specification: 1/31/2017

Page 1 of 3

General Specifications

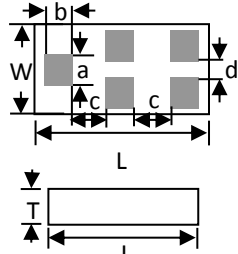
Part Number	2450BP08A0100	
Frequency (MHz)	2400 ~ 2500	
Insertion Loss (dB)	1.0 max. @ 25°C	
Return Loss	9.0 dB min.	
Attenuation (min.)	15 min. @ 5 ~ 960MHz	
Attenuation (min.)	10 min. @ 1710 ~ 1990MHz	Recommended Storage Conditions for unused T&R Product*
Attenuation (min.)	15 min. @ 3600MHz	
Attenuation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

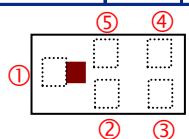
Mechanical Specifications

	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

Johanson Technology, Inc. reserves the right to make design changes without notice.

All sales are subject to Johanson Technology, Inc. terms and conditions.



www.johansontechnology.com

4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

Ver. 1.1

2017 Johanson Technology, Inc. All Rights Reserved

High Frequency Ceramic Solutions

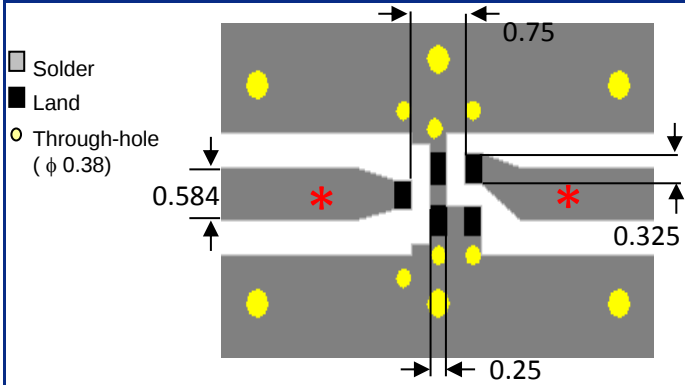
2.45GHz Mini (EIA 0504) Passive Band Pass Filter, LGA pads, SMD

P/N 2450BP08A0100

Detail Specification: 1/31/2017

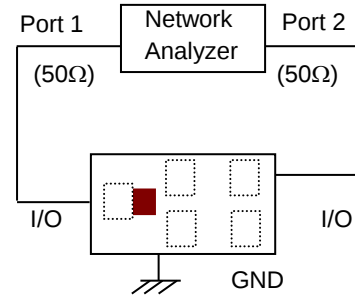
Page 2 of 3

Mounting Considerations

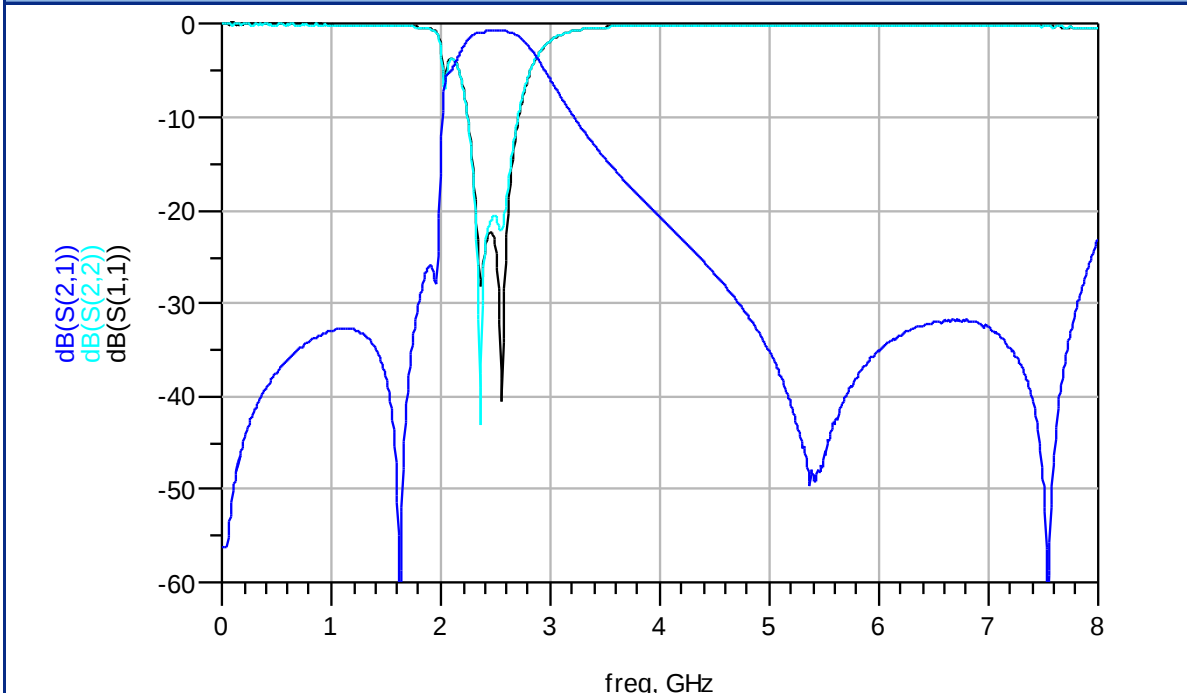


* Line width should be designed to match 50Ω characteristic impedance, depending on PCB material and thickness.
Want the layout file of the above? Send us a message at:
www.johansontechnology.com/component/techquestion

Measuring Diagram



Electrical Characteristics (T=25°C)



Johanson Technology, Inc. reserves the right to make design changes without notice.
All sales are subject to Johanson Technology, Inc. terms and conditions.



www.johansontechnology.com

4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

Ver. 1.1

2017 Johanson Technology, Inc. All Rights Reserved

High Frequency Ceramic Solutions

2.45GHz Mini (EIA 0504) Passive Band Pass Filter, LGA pads, SMD

P/N 2450BP08A0100

Detail Specification: 1/31/2017

Page 3 of 3

More Band Pass Filters

www.johansontechnology.com/band-pass-filters

Packaging information

www.johansontechnology.com/tape-reel-packaging

Soldering Information

www.johansontechnology.com/ipcsoldering-profile

MSL Info

www.johansontechnology.com/msl-rating

Recommended Storage Condition and Max Shelf Life

www.johansontechnology.com/recommended-storage-conditions

RoHS Compliance

www.johansontechnology.com/technical-notes/rohs-compliance

Antenna layout and tuning techniques

www.johansontechnology.com/tuning

Antenna layout review, tuning, and characterization services

www.johansontechnology.com/ipc-antenna-services

Johanson Technology, Inc. reserves the right to make design changes without notice.
All sales are subject to Johanson Technology, Inc. terms and conditions.



www.johansontechnology.com

4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

Ver. 1.1

2017 Johanson Technology, Inc. All Rights Reserved