

High Frequency Ceramic Solutions

2450 MHz Band Pass Filter

P/N 2450BP15H0100

Detail Specification: 12/09/16

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General Specifications

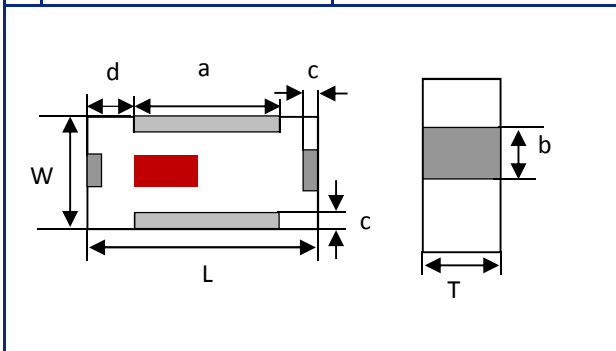
Part Number	2450BP15H0100	Insertion Loss	1.5 max. @ 25°C, 1.8 max. @ -40~85°C
Frequency (MHz)	2400 - 2500	Impedance	50 Ω
Attenuation (min.)	25 dB @ 1200 - 1300 MHz	Input Power	2W max. (CW)
Attenuation (min.)	10 dB @ 2000 MHz	Operating Temperature	-40 to +85°C
Attenuation (min.)	12 dB @ 3000 MHz	Recommended Storage Conditions	+5 ~ +35°C, Humidity: 45~75%RH, 18 mos. Max
Attenuation (min.)	30 dB @ 3600 - 3800 MHz		
Attenuation (min.)	34 dB @ 4800 - 5000 MHz		
Return Loss	9.5 dB max.		

Part Number Explanation

P/N Suffix	Packing Style	Bulk	Suffix = S	eg. 2450BP15H0100S
		T & R	Suffix = E	eg. 2450BP15H0100E
		100% Tin	Suffix = None	eg. 2450BP15H0100(E or S)
	Termination style	Tin / Lead	Suffix = /Pb	eg. 2450BP15H0100(E or S)/Pb

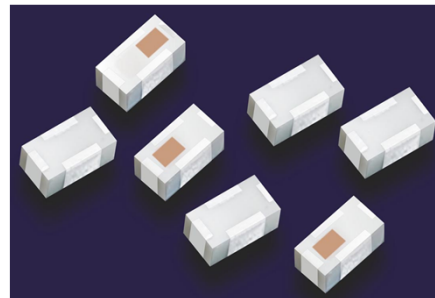
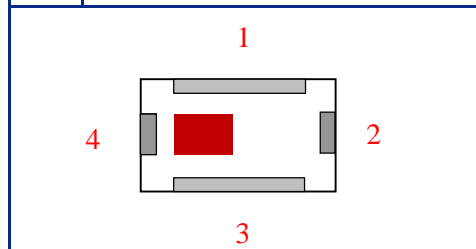
Mechanical Dimensions

	In	mm
L	0.079 ± 0.006	2.00 ± 0.15
W	0.049 ± 0.004	1.25 ± 0.10
T	0.022 ± 0.004	0.55 ± 0.10
a	0.051 ± 0.006	1.30 ± 0.15
b	0.012 ± 0.006	0.30 ± 0.15
c	0.010 + 0.006	0.25 + 0.15
d	0.014 + 0.006	0.35 + 0.15



Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN



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

Ver. 1.1

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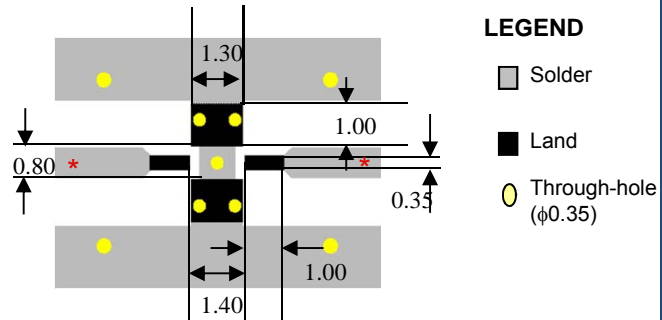
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Mounting Considerations

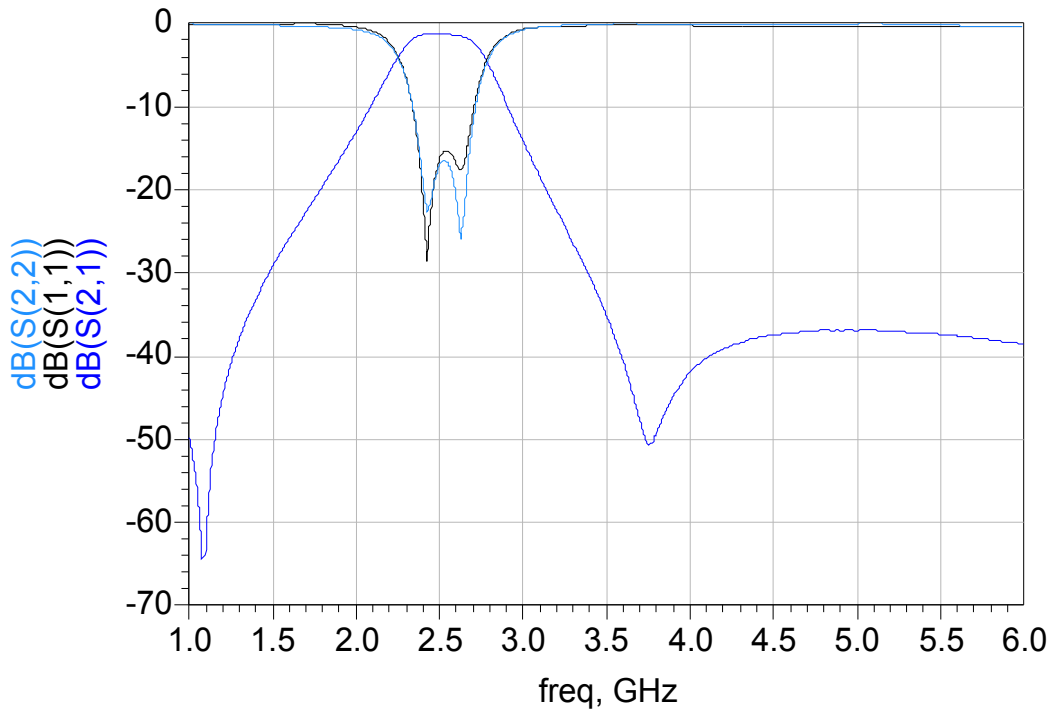
Mount these devices with brown mark facing up.

*Line width should be designed to provide 50 ohm impedance, depending on PCB material and thickness



Units: mm

Typical Electrical Performance (T=25°C)



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More Band Pass Filters

www.johansontechnology.com/band-pass-filters

Packaging information

www.johansontechnology.com/downloads/Integrated_Passive_Component_Packaging.pdf

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

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