

# "High Frequency Ceramic Solutions"

## 2450 MHz Band Pass Filter

P/N 2450BP07B0100

Detail Specification: 10/27/10

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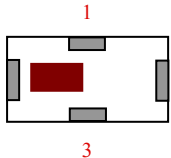
### General Specifications

Part Number	2450BP07B0100
Frequency (MHz)	2400 ~ 2500
Insertion Loss	3.8 dB max.
Return Loss	9.5 dB min.
Attenuation (min.)	25 dB @ 695 ~ 800MHz
Attenuation (min.)	22 dB @ 1910 MHz
Attenuation (min.)	30 dB @ 3200 MHz
Attenuation (min.)	20 dB @ 4800 ~ 5000 MHz
Attenuation (min.)	20 dB @ 7200 ~ 7500MHz

Impedance	50 Ω
Input Power	2W max.
Operating Temperature	-40 to +85°C
Storage Temperature Range	+5 ~ +35 °C, Humidity 45~75%RH, 12 mos. max
Reel Quantity	10,000

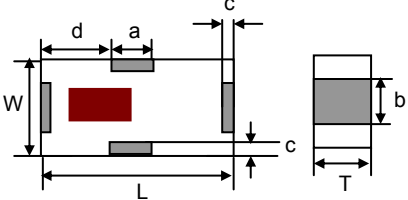
P/N Suffix	Packaging Style	Bulk	Suffix = S	Eg. 2450BP07B0100S
		T & R	Suffix = T	Eg. 2450BP07B0100T
	Termination Style	100% Tin	Suffix = None	Eg. 2450BP07B0100(S or T)
		Tin / Lead	Suffix = /Pb	Eg. 2450BP07B0100(S or T)00P

Terminal Configuration	
No.	Function
1	GND
2	OUT
3	GND
4	IN



### Mechanical Dimensions

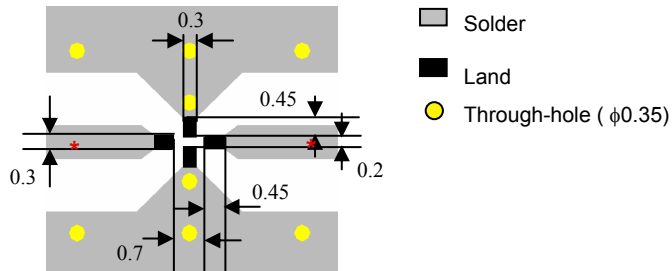
	In	mm
L	0.039 ± 0.002	1.00 ± 0.05
W	0.020 ± 0.002	0.50 ± 0.05
T	0.015 ± 0.002	0.38 ± 0.05
a	0.012 ± 0.004	0.30 ± 0.10
b	0.012 ± 0.004	0.30 ± 0.10
c	0.004 ± 0.002	0.10 ± 0.05
d	0.014 ± 0.004	0.35 ± 0.10



### 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

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

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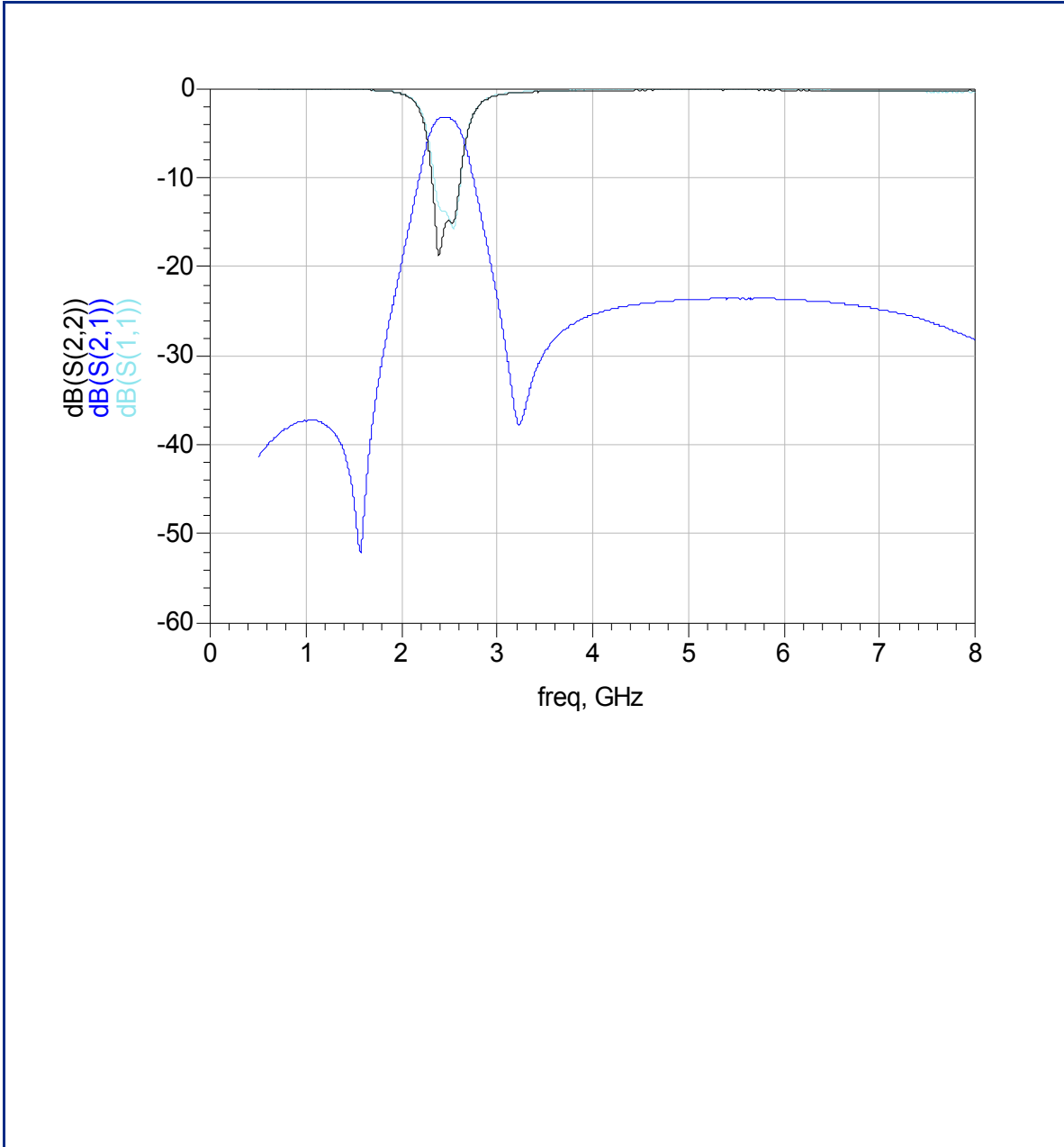
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## Typical Electrical Performance (T=25°C)



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