"High Frequency Ceramic Solutions"

2.45 GHz Band Pass Filter

P/N 2450BP39C100C

Detail Specification: 08/12/03

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General Specifications

Part Number	2450BP39C100C		
Frequency (MHz)	2400 - 2500		
Insertion Loss	1.5 dB max.		
Return Loss	9.5 dB min.		
Attenuation (min.)	880 ~ 915MHz	30 dB	
Attenuation (min.)	1710 ~ 1785MHz 30 dB		
Attenuation (min.)	1850 ~ 1910MHz	25 dB	
Attenuation (min.)	4800 ~ 5000MHz	25 dB	
Attenuation (min.)	7200 ~ 7500MHz	15 dB	

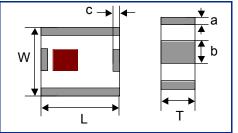
Input Power	500 mW max.		
Impedance	50 Ω		
Operating Temperature	-40 to +85°C		
Reel Quanity	3,000		

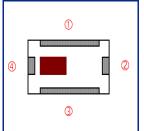
Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN

Mechanical Dimensions

ln			mm		
0.098	±	0.008	2.50	±	0.20
0.079	±	0.008	2.00	±	0.20
0.035	±	0.004	0.90	±	0.10
0.012	±	0.008	0.30	±	0.20
0.024	±	0.008	0.60	±	0.20
0.012	±	0.008	0.30	±	0.20
	0.098 0.079 0.035 0.012 0.024	0.098 ± 0.079 ± 0.035 ± 0.012 ± 0.024 ±	In 0.098 ± 0.008 0.079 ± 0.008 0.035 ± 0.004 0.012 ± 0.008 0.012 ± 0.008 0.012 ± 0.008	0.098 ± 0.008 2.50 0.079 ± 0.008 2.00 0.035 ± 0.004 0.90 0.012 ± 0.008 0.30 0.024 ± 0.008 0.60	0.098 ± 0.008 2.50 ± 0.079 ± 0.008 2.00 ± 0.035 ± 0.004 0.90 ± 0.012 ± 0.008 0.30 ± 0.024 ± 0.008 0.60 ±





Mounting Considerations

Mount these devices with brown mark facing up. Line width should be designed to provide 50Ω impedance matching characteristics. Units: mm

Solder Resist

Land

Through-hole $(\phi 0.35)$

 $\label{thm:condition} \mbox{Johanson Technology, Inc. reserves the right to make design changes without notice.}$

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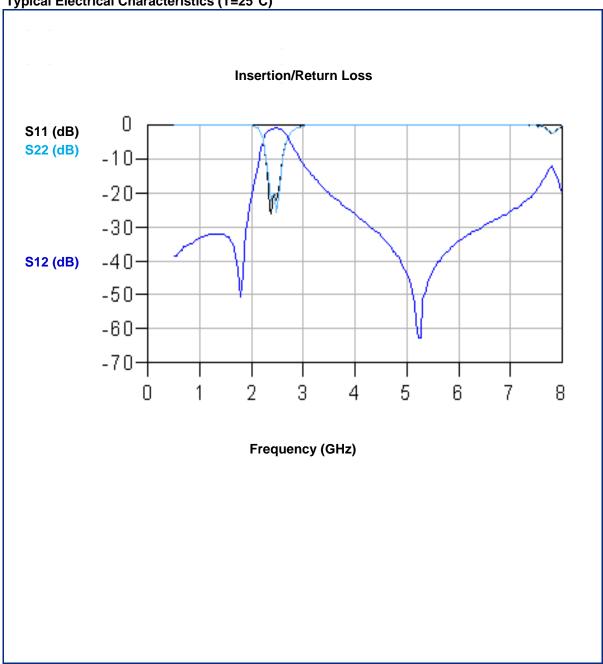
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2.45 GHz Band Pass Filter

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Typical Electrical Characteristics (T=25°C)



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