



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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High Frequency Ceramic Solutions

2.45 GHz Band Pass Filter

P/N 2450BP39D100E

Detail Specification: 3/29/2012

Page 1 of 2

General Specifications

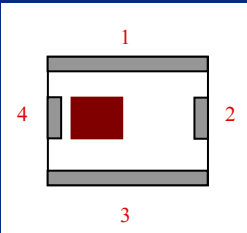
Part Number	2450BP39D100E	
Frequency (MHz)	2400 - 2500	
Insertion Loss	1.2 dB max.	
Return Loss	9.5 dB min.	
Attenuation (min.)	880 ~ 915MHz	30 dB
Attenuation (min.)	1710 ~ 1785MHz	30 dB
Attenuation (min.)	1850 ~ 1910MHz	25 dB
Attenuation (min.)	2700MHz	2 dB
Attenuation (min.)	4800 ~ 5000MHz	25 dB
Attenuation (min.)	7200 ~ 7500MHz	15 dB

Input Power	500 mW max.
Impedance	50 Ω
Reel Quantity	3,000
Operating Temperature	-40 to +85°C
Recommended Storage Conditions	+5 to +35°C, Humidity 45-75%RH, 18 mos. max*

*18 months in vacuum sealed bag and 1 week after opened. Go to: www.johansontechnology.com/silverleads for details

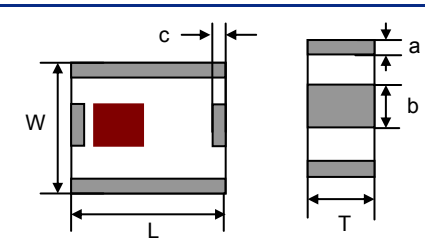
Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN



Mechanical Dimensions

	In	mm
L	0.098 ± 0.008	2.50 ± 0.20
W	0.079 ± 0.008	2.00 ± 0.20
T	0.037 ± 0.004	0.95 ± 0.10
a	0.012 ± 0.008	0.30 ± 0.20
b	0.024 ± 0.008	0.60 ± 0.20
c	0.012 ± 0.008	0.30 ± 0.20

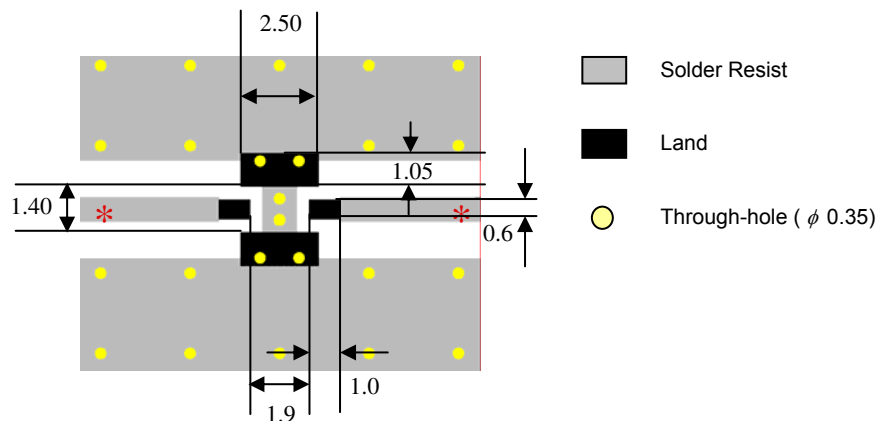


Mounting Considerations

Mount these devices with brown mark facing up.

* Line width should be designed to provide 50 Ω impedance matching characteristics.

Units: mm



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

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



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High Frequency Ceramic Solutions

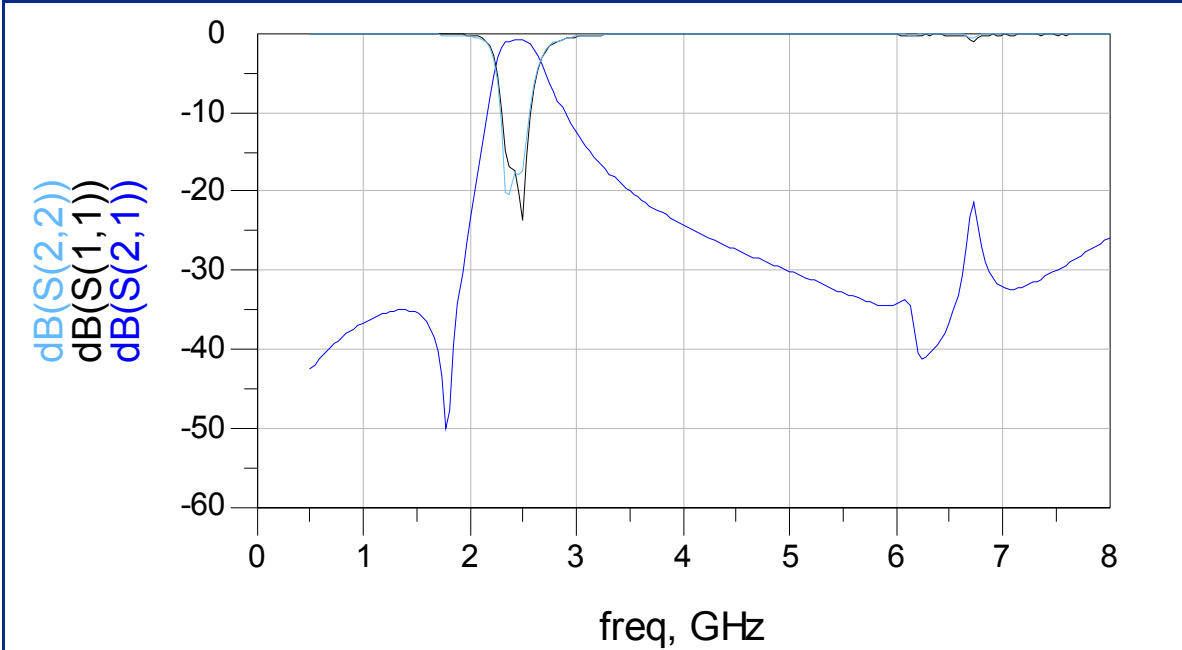
2.45 GHz Band Pass Filter

P/N 2450BP39D100E

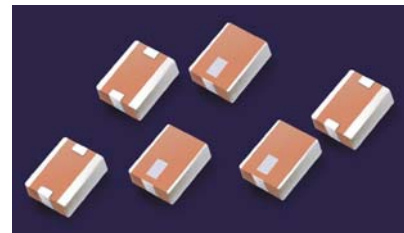
Detail Specification: 3/29/2012

Page 2 of 2

Typical Electrical Performance (T=25°C)



P/N	Packaging Style	Bulk	Suffix = S	Eg. 2450BP39D100ES
		T & R (3000pcs)	Suffix = E	Eg. 2450BP39D100EE
Suffix	Termination Style	AgPt	Suffix = None	Eg. 2450BP39D100E(E or S)
	Evaluation Board	2450BP39D100E-EB-SMA		



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