



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"

3.96 GHz Band Pass Filter

P/N 3960BP39A1584

Detail Specification: 11/14/12

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General Specifications

Part Number	3960BP39A1584	Impedance	50 Ω
Frequency (MHz)	3168 - 4752	Input Power	500 mW max.
Insertion Loss	2.5 dB max.	Operating Temperature	-40 to +85°C
Return Loss	9.5 dB min.	Recommended Storage Conditions	+5 ~ +35°C, Humidity 45~75%RH, 18 mos. Max
Attenuation (min.)	30 dB @ 2400 - 2500 MHz	Reel Quantity	3,000
Attenuation (min.)	12 dB @ 5150 MHz		
Attenuation (min.)	25 dB @ 5950 MHz		

Part Number Explanation

P/N Suffix	Packing Style	Bulk	Suffix = S	eg.3960BP39A1584S
		T & R	Suffix = T	eg. 3960BP39A1584E
		100% Tin	Suffix = None	eg.3960BP39A1584(E or S)
	Termination style	Tin / Lead	Suffix = /Pb	eg. 3960BP39A1584(E or S)/Pb

Mechanical Dimensions

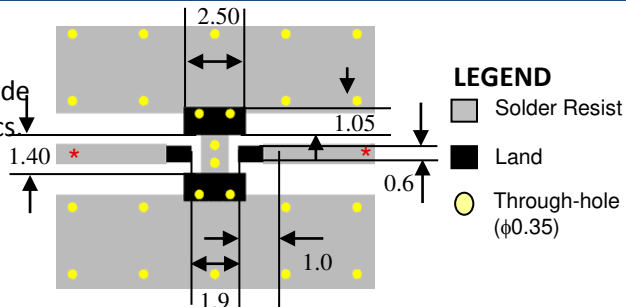
	In	mm
L	0.098 ± 0.008	2.50 ± 0.20
W	0.079 ± 0.008	2.00 ± 0.20
T	0.035 ± 0.004	0.90 ± 0.10
a	0.012 ± 0.008	0.30 ± 0.20
b	0.024 ± 0.008	0.60 ± 0.20
c	0.012 + 0.008	0.30 + 0.20

Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN

Mounting Considerations

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



"High Frequency Ceramic Solutions"

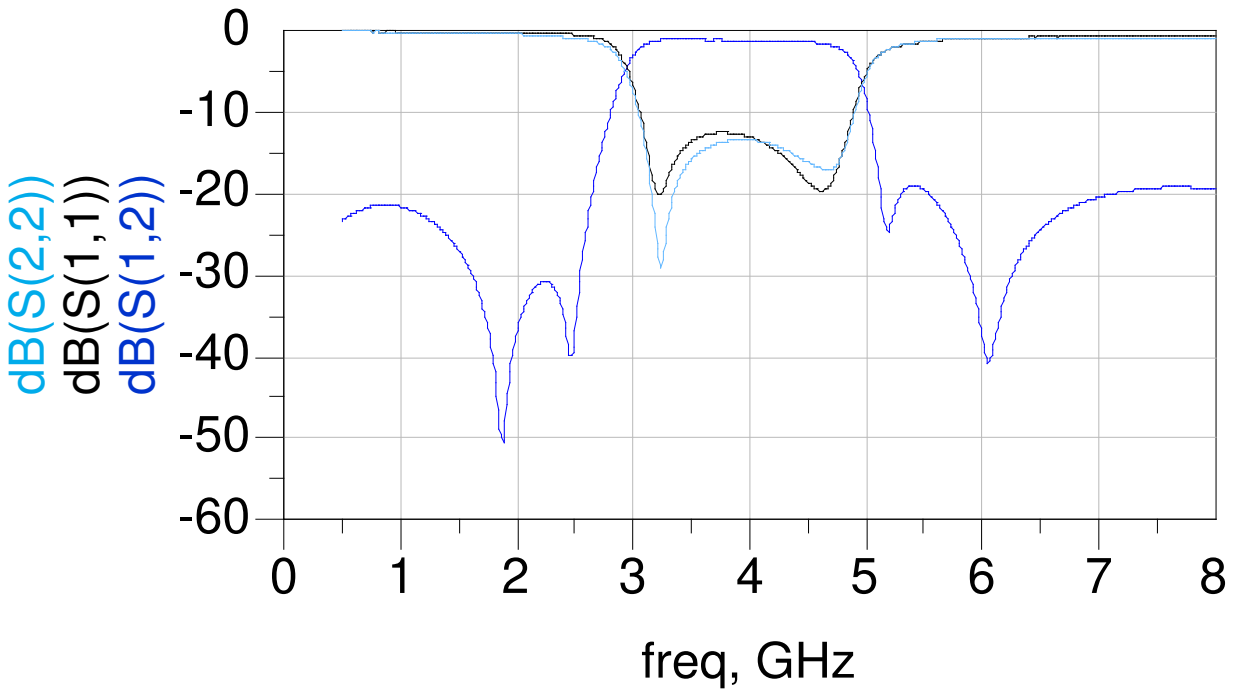
3.96 GHz Band Pass Filter

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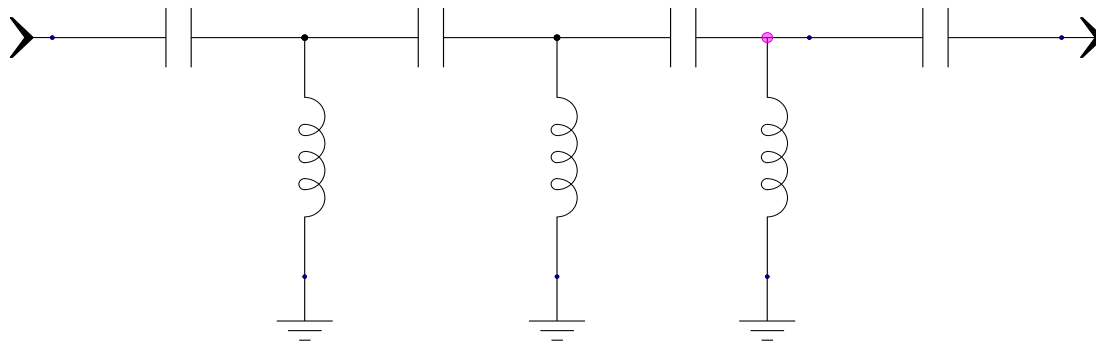
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Typical Electrical Performance (T=25°C)



Internal DC block embedded in component!



This is only a representation of the equivalent circuit

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