

"High Frequency Ceramic Solutions"

3.96 GHz Band Pass Filter

P/N 3960BP39A1584

Detail Specification: 11/14/12

Page 1 of 2

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

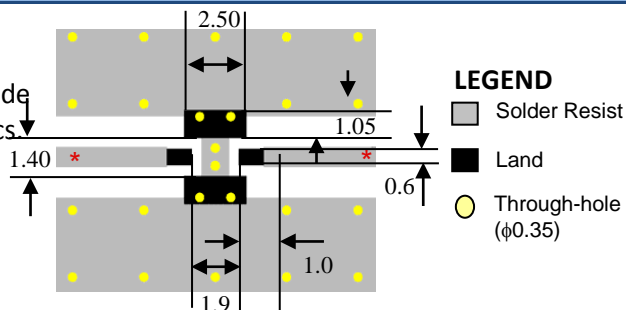
	In	mm
L	0.098 ± 0.008	2.50 ± 0.20
W	0.079 ± 0.008	2.00 ± 0.20
T	0.035 ± 0.004	0.90 ± 0.10
a	0.012 ± 0.008	0.30 ± 0.20
b	0.024 ± 0.008	0.60 ± 0.20
c	0.012 + 0.008	0.30 + 0.20

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



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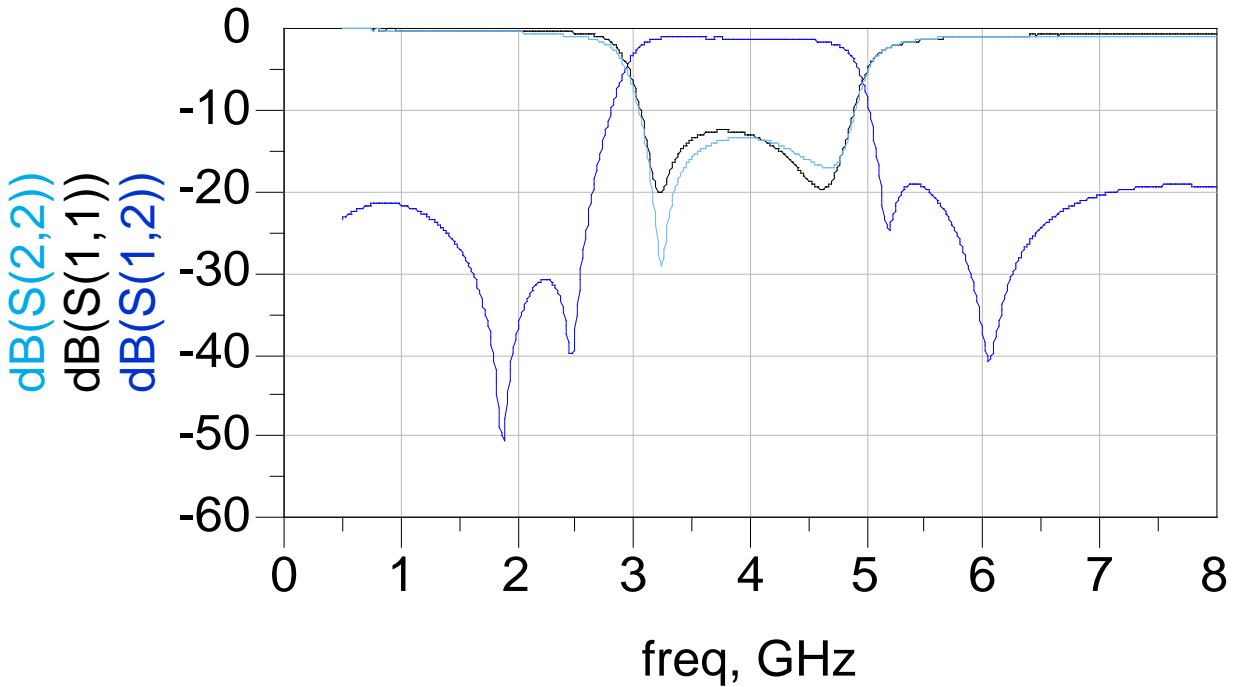
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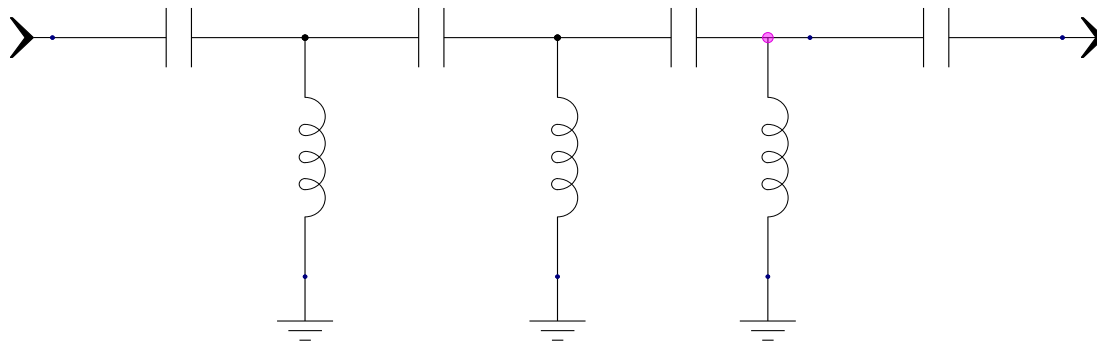
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Page 2 of 2

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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