

"High Frequency Ceramic Solutions"

Preliminary

3.96 GHz Band Pass Filter

P/N 3960BP39A1584

Detail Specification: 12/16/08

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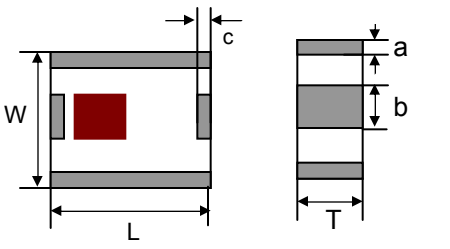
General Specifications

Part Number	3960BP39A1584	
Frequency (MHz)	3168 - 4752	
Insertion Loss	2.5 dB max.	
Return Loss	9.5 dB min.	
Attenuation (min.)	2400 - 2500 MHz	30 dB
Attenuation (min.)	5150 MHz	12 dB
Attenuation (min.)	5950 MHz	25 dB

Impedance	50 Ω
Input Power	500 mW max.
Operating Temperature	-40 to +85°C
Storage Temperature	+5 ~ +35°C, Humidity 45~75%RH, 12 mos. Max
Reel Quantity	3,000

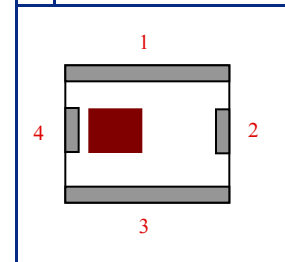
Mechanical Dimensions

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



Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN

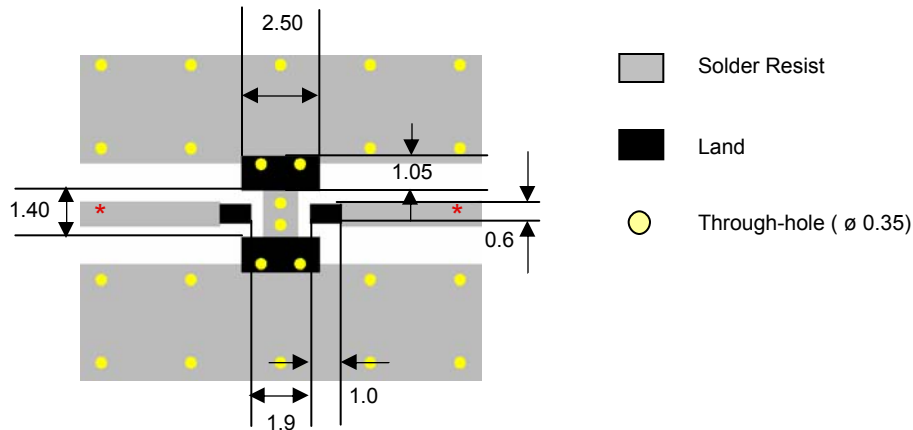


Mounting Considerations

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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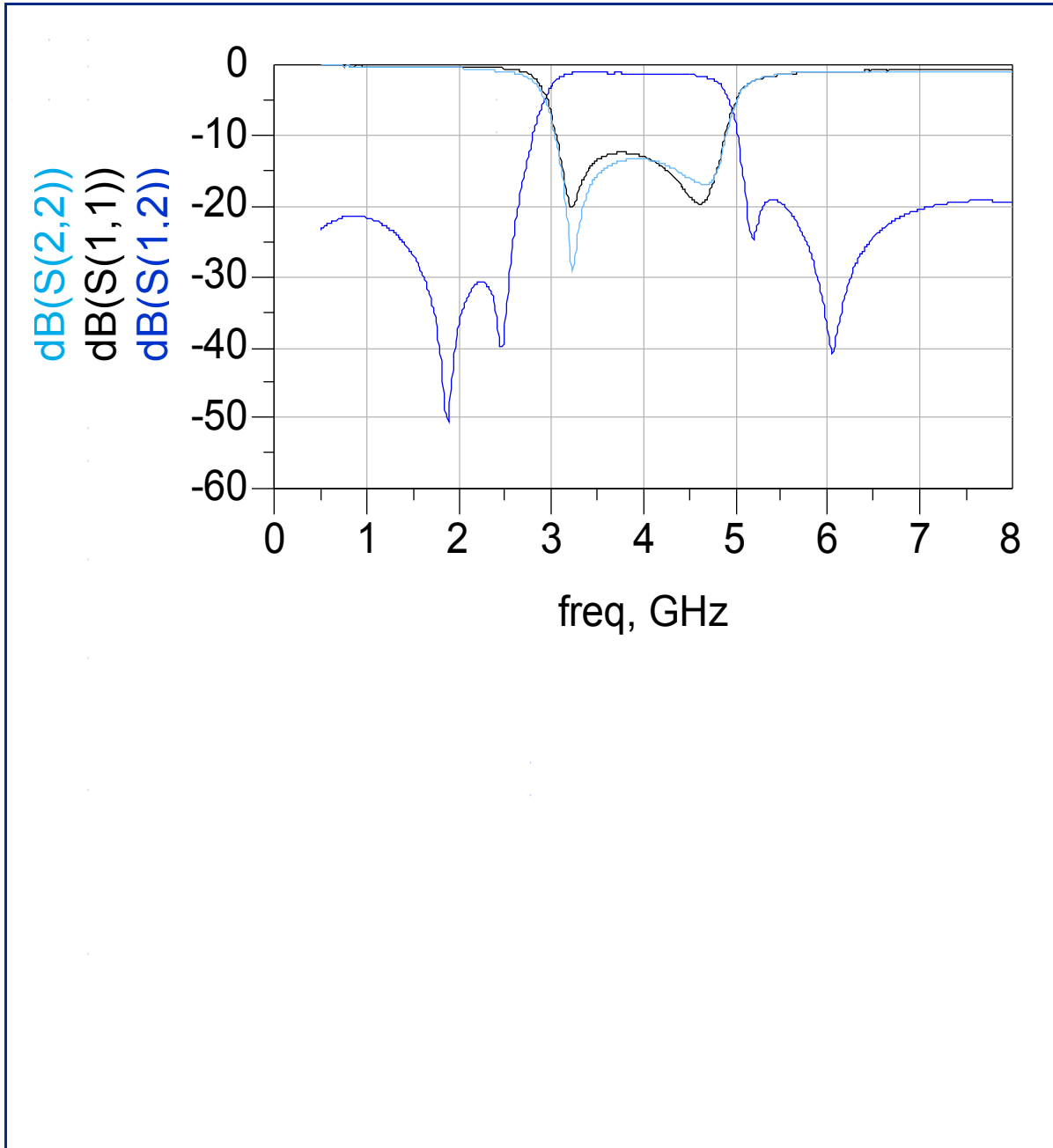
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Typical Electrical Performance (T=25°C)



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