High Frequency Ceramic Solutions

Preliminary

4.56 GHz Band Pass Filter (UWB High Rejection BPF) P/N 4560BP39A0180

Detail Specification: 06/17/08

General Specifications

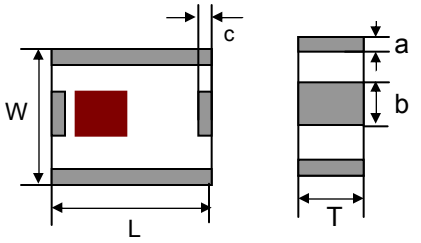
Part Number	4560BP39A0180	
Frequency (MHz)	4470 - 4650	
Insertion Loss	2.97 dB max.	
Return Loss	17.5 dB min.	
Attenuation (min.)	< 2540 MHz	48.3 dB
Attenuation (min.)	4020 MHz	19.1 dB
Attenuation (min.)	5150 - 5350 MHz	19 dB
Attenuation (min.)	5725 - 7000 MHz	35.9 dB

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 Quanity	3,000
MSL	2 *

* - 1 yr shelf life in bag; 1 week shelf life out of bag; Vacuum reseal unused reel

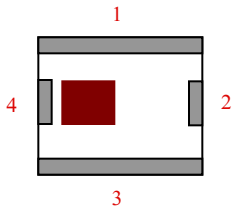
Mechanical Dimensions

	In	mm
L	0.098 ± 0.008	2.50 ± 0.20
W	0.079 ± 0.008	2.00 ± 0.20
T	0.043 ± 0.004	1.10 ± 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

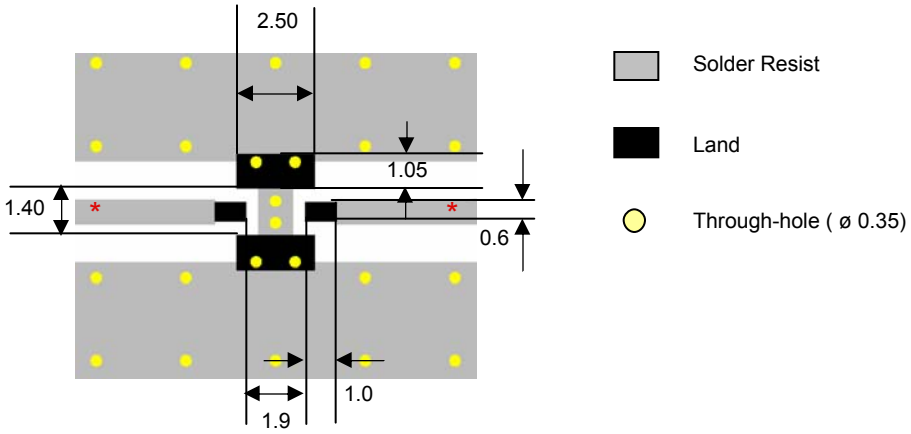


Mounting Considerations

Mount these devices with brown mark facing up.

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

Units: mm



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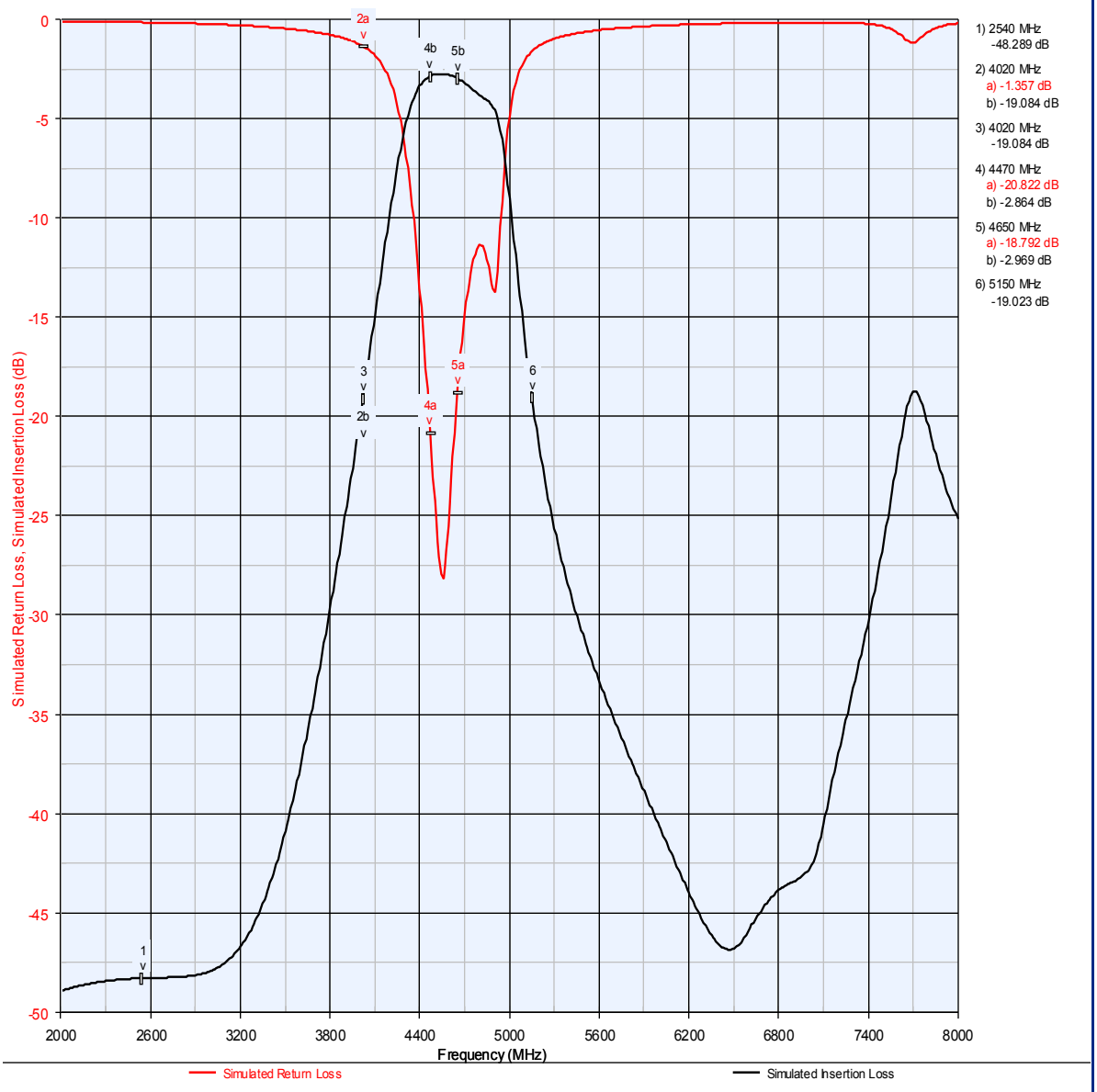
Detail Specification: 06/17/08 Page 2 of 2

Typical Electrical Performance (T=25°C)



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