## "High Frequency Ceramic Solutions"

## 2.45 GHz Band Pass Filter

### P/N 2450BP39C100A

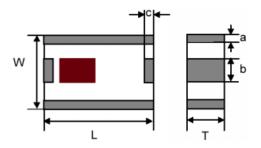
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Part Number	Frequency (MHz)	Insertion Loss	Attenuation (min.)	Return Loss	Ripple
2450BP39C100A_	2450 ± 50	2.5 dB max	40 dB @ 880 - 915 MHz 42 dB @ 1.71- 1.99 GHz 30 dB @ 2.1 GHz 30 dB @ 4.8 - 5.0 GHz 35 dB @ 7.2 - 7.5 GHz	9.5 dB min.	0.7 dB min.

Input Power	<b>Group Delay</b>	Impedance	Operating Temperature Range
500 mWatt max	5 nsec max	50 Ω	-40 to +85°C

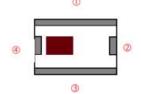
#### **Mechanical Dimensions**

	L	W	Т	a	b	С
Inches	$0.098 \pm .008$	$0.079 \pm .008$	$0.035 \pm .004$	$0.012 \pm .008$	$0.024 \pm .008$	$0.012 \pm .008$
mm	$2.5 \pm 0.2$	$2.0 \pm 0.2$	$0.9 \pm 0.1$	$0.3 \pm 0.2$	$0.6 \pm 0.2$	$0.30 \pm 0.2$



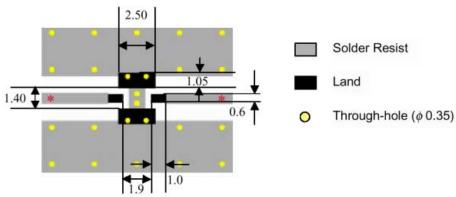
## **Terminal Configuration**

No.	Function	No.	Function
1	GND	3	GND
2	OUT	4	IN



#### **Mounting Considerations**

Line width should be designed to provide  $50\Omega$  impedance matching characteristics.



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### Typical Transmission / Return Loss: P/N 2450BP39C100A

