"High Frequency Ceramic Solutions"

2.45 GHz Band Pass Filter — P/N 2450BP14C0100

Detail Specification: 03/30/06

General Specifications

Part Number	2450BP14C0100
Frequency (MHz)	2400 - 2500
Insertion Loss	2.0 dB max.
Return Loss	9.5 dB min.
Attenuation (min.)	30 dB @ 880 -915 MHz
Attenuation (min.)	25 dB @ 1710 - 1785 MHz
Attenuation (min.)	20 dB @ 1850 - 1910 MHz
Attenuation (min.)	30 dB @ 4800 - 5000 MHz
Attenuation (min.)	20 dB @ 7200 - 7500 MHz

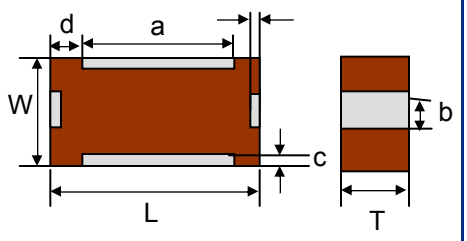
Impedance	50 Ω
Input Power	500 mW max.
Operating Temperature	-40 to +85°C
Storage Temperature	-40 to +85°C
Reel Quantity	4,000
MSL	2 *

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

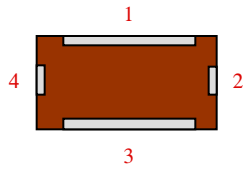
P/N Suffix	**Packaging Style**	Bulk	Suffix = S	Eg. 2450BP14C0100S
		T & R	Suffix = E	Eg. 2450BP14C0100E
	Termination Style	100% Tin	Suffix = None	Eg. 2450BP14C0100(E or S)
		Tin / Lead	Suffix = /Pb	Eg. 2450BP14C0100(E or S)00P

Mechanical Dimensions

	In	mm
L	0.063 ± 0.004	1.60 ± 0.10
W	0.031 ± 0.004	0.80 ± 0.10
T	0.024 ± 0.004	0.60 ± 0.10
a	0.028 ± 0.006	0.70 ± 0.15
b	0.012 ± 0.004	0.30 ± 0.10
c	0.006 ± 0.004	0.15 ± 0.10
d	0.018 ± 0.006	0.45 ± 0.15



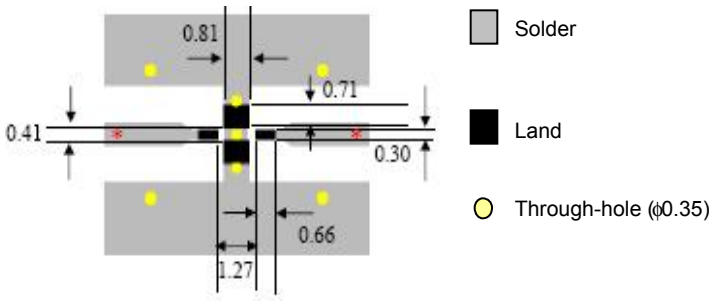
Terminal Configuration	
No.	**Function**
1	GND
2	OUT
3	GND
4	IN



Mounting Considerations

Mount these devices with brown mark facing up.

* Line width should be designed to provide 50 ohm impedance, depending on PCB material and thickness



Units: mm

Johanson Technology, Inc. reserves the right to make design changes without notice.
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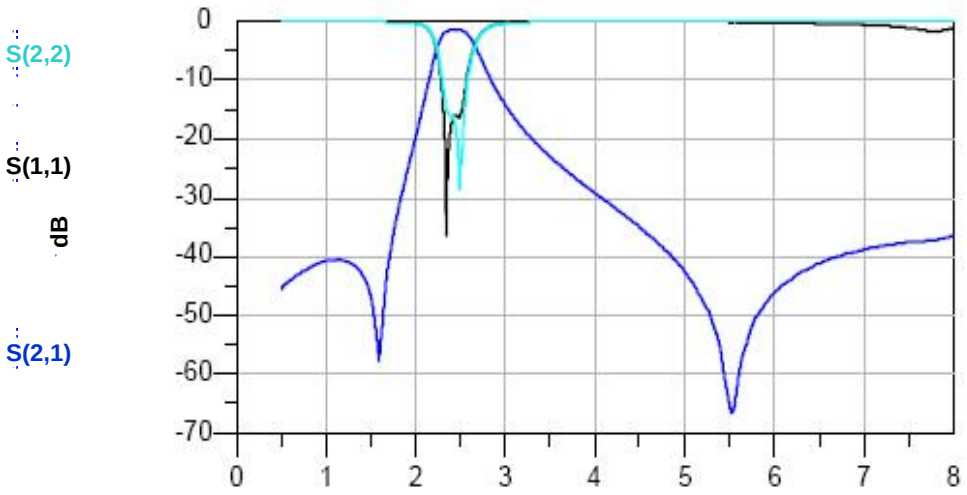
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2.45 GHz Band Pass Filter **P/N 2450BP14C0100**

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Typical Electrical Performance (T=25°C)



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