



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



"High Frequency Ceramic Solutions"

2.45 GHz Band Pass Filter

P/N 2450BP14C0100

Detail Specification: 03/30/06

Page 1 of 2

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

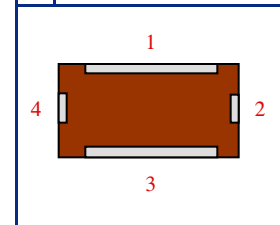
Impedance	50 Ω
Input Power	500 mW max.
Operating Temperature	-40 to +85°C
Storage Temperature	-40 to +85°C
Reel Quantity	4,000
MSL	2 *

* - 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

Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN



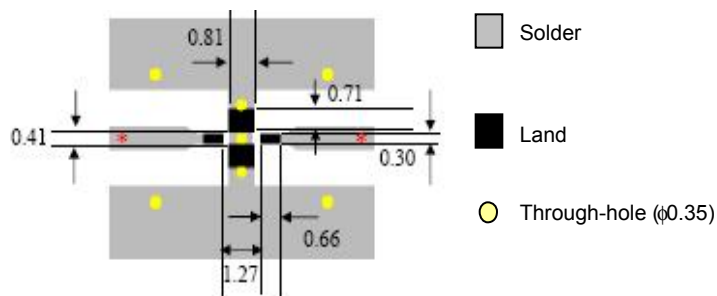
Mechanical Dimensions

	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

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.
All sales are subject to Johanson Technology, Inc. terms and conditions.



www.johansontechology.com

4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

2007 Johanson Technology, Inc. All Rights Reserved

"High Frequency Ceramic Solutions"

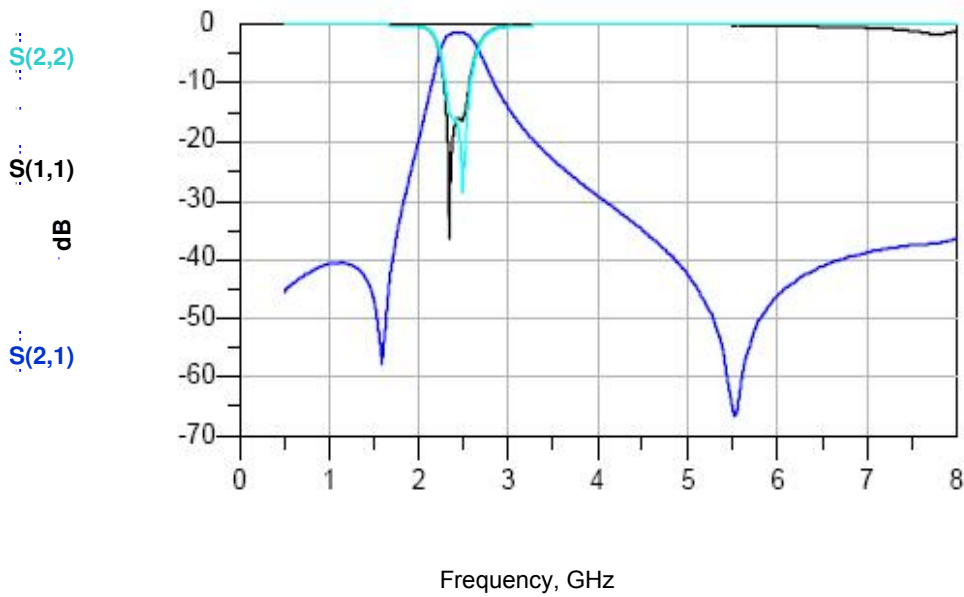
2.45 GHz Band Pass Filter

P/N 2450BP14C0100

Detail Specification: 03/30/06

Page 2 of 2

Typical Electrical Performance (T=25°C)



Johanson Technology, Inc. reserves the right to make design changes without notice.
All sales are subject to Johanson Technology, Inc. terms and conditions.



www.johansontechnology.com
4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

2007 Johanson Technology, Inc. All Rights Reserved