



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!



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"High Frequency Ceramic Solutions"

Preliminary

2.5 GHz Low Pass Filter

P/N 2500LP14A0400

Detail Specification: 12/02/08

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General Specifications

Part Number	2500LP14A0400
Frequency (MHz)	2300 - 2700
Insertion Loss	0.55 dB max.
Return Loss	11.7 dB min.
Attenuation (min.)	35 dB @ 2 x fo
Attenuation (min.)	25 dB @ 3 x fo

Impedance	50 Ω
Reel Quantity	4,000
Input Power	2 Watts max.
Operating Temperature	-40 to +85°C
Storage Temperature	+5 to +35°C, Humidity: 45-75%RH, 12 mos. Max

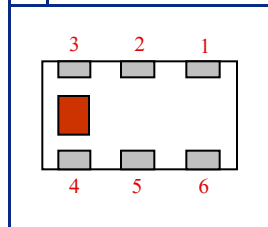
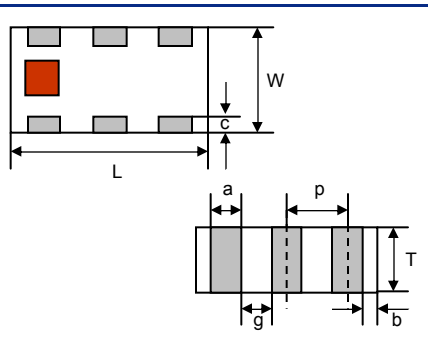
Termination Style	100% Tin	Suffix = "None"	eg. 2500LP14A0400
	Tin / Lead	Suffix = "/Pb"	eg. 2500LP14A0400/Pb

Terminal Configuration

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

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	0.008 ± 0.004	0.20 ± 0.10
b	0.008 +.004/-0.006	0.20 +0.1/-0.15
c	0.006 ± 0.004	0.15 ± 0.10
g	0.012 ± 0.004	0.30 ± 0.10
p	0.020 ± 0.002	0.50 ± 0.05

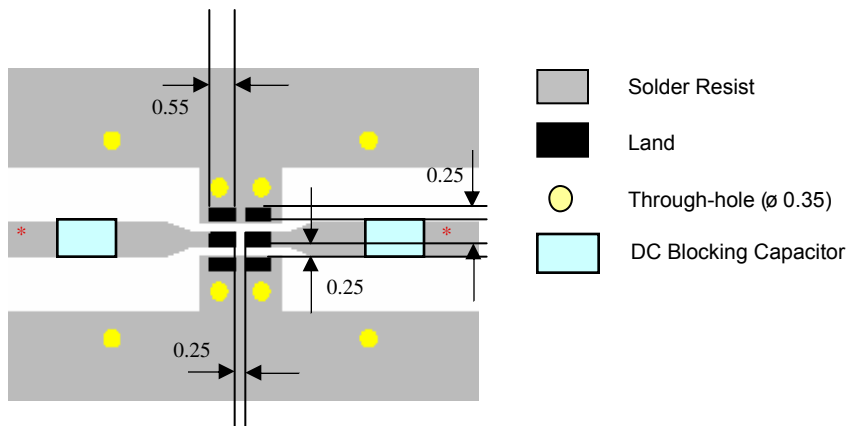


Mounting Considerations

Mount these devices with brown mark facing up.

* Line width should be designed to provide 50 Ω impedance matching characteristics, depending on PCB material and thickness.

** DC Blocking capacitor is connected in series at each In/Out Port.



Units: mm

Johanson Technology, Inc. reserves the right to make design changes without notice.

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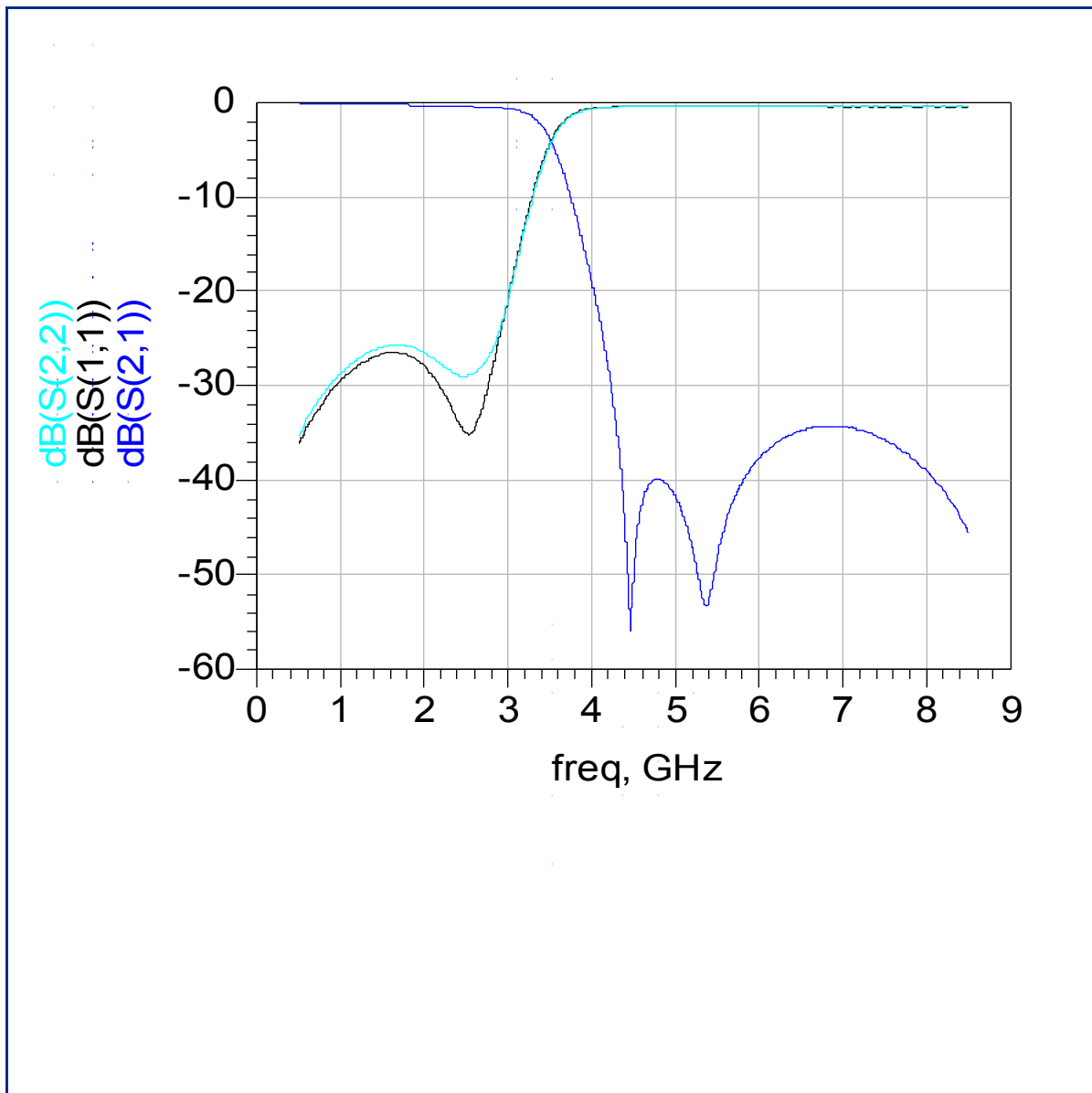
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Typical Electrical Performance (T=25°C)



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