



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

2.45 GHz Band Pass Filter

P/N 2450BP15J0100

Detail Specification: 06/28/2011

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General Specifications

Part Number	2450BP15J0100	
Frequency (MHz)	2400 - 2500	
Attenuation (min.)	746 - 764 MHz	25 dB
Attenuation (min.)	824 - 849 MHz	30 dB
Attenuation (min.)	869 - 960 MHz	26 dB
Attenuation (min.)	1570 - 1580 MHz	28 dB
Attenuation (min.)	1710 - 1785 MHz	23 dB
Attenuation (min.)	1850 ~ 1910MHz	30 dB
Attenuation (min.)	1930 - 1990 MHz	30 dB
Attenuation (min.)	2110 - 2170 MHz	30 dB
Attenuation (min.)	3300 - 3800 MHz	15 dB
Attenuation (min.)	4800 - 5000MHz	20 dB
Attenuation (min.)	7200 - 7500 MHz	20 dB

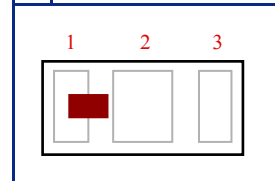
Insertion Loss	2.5 dB max.
Return Loss	10 dB min.
Input Power	3 Watts max.
Impedance	50 Ω
Reel Quantity	4,000
Operating Temperature	-30 to +85°C
Storage Temperature	-40 to +85°C

Note: I/O DC blocks are embedded

P/N	Packaging	Bulk	Suffix = S	Eg. 2450BP15J0100
	Style	T & R	Suffix = E	Eg. 2450BP15J0100E
Suffix	Termination	100% Tin	Suffix = None	Eg. 2450BP15J0100(E or S)
	Style	Tin / Lead	Suffix = /Pb	Consult Factory

Terminal Configuration

No.	Function
1	I/O
2	GND
3	I/O



*This is a symmetrical device

Mechanical Dimensions

	In	mm
L	0.079 ± 0.006	2.00 ± 0.15
W	0.049 ± 0.004	1.25 ± 0.10
T	0.018 ± 0.002	0.45 ± 0.05
a	0.037 ± 0.004	0.95 ± 0.10
b	0.011 ± 0.004	0.275 ± 0.10
c	0.024 ± 0.004	0.60 ± 0.10
d	0.010 ± 0.002	0.25 ± 0.05

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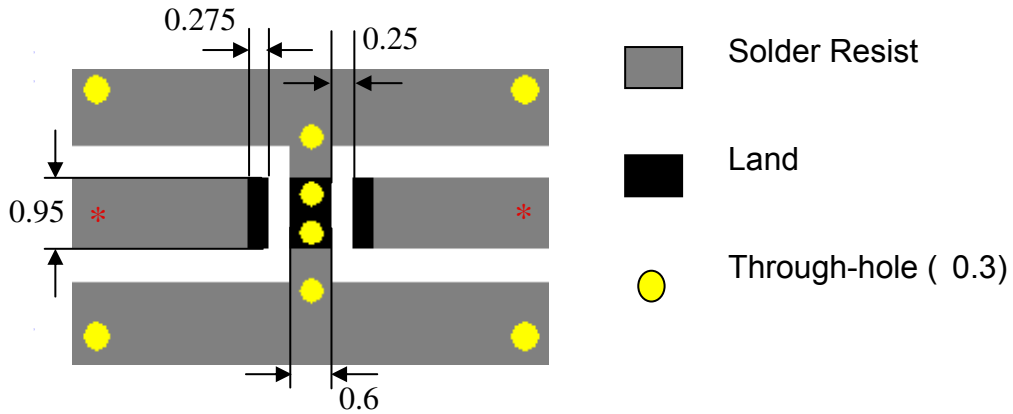
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Mounting Considerations

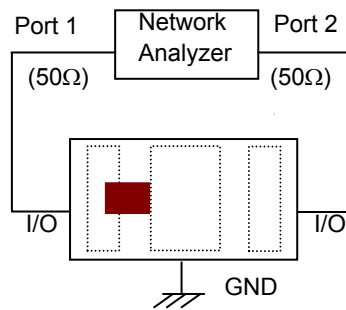
Mount these devices with brown mark facing up.

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

Units: mm



Measuring Diagram



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High Frequency Ceramic Solutions

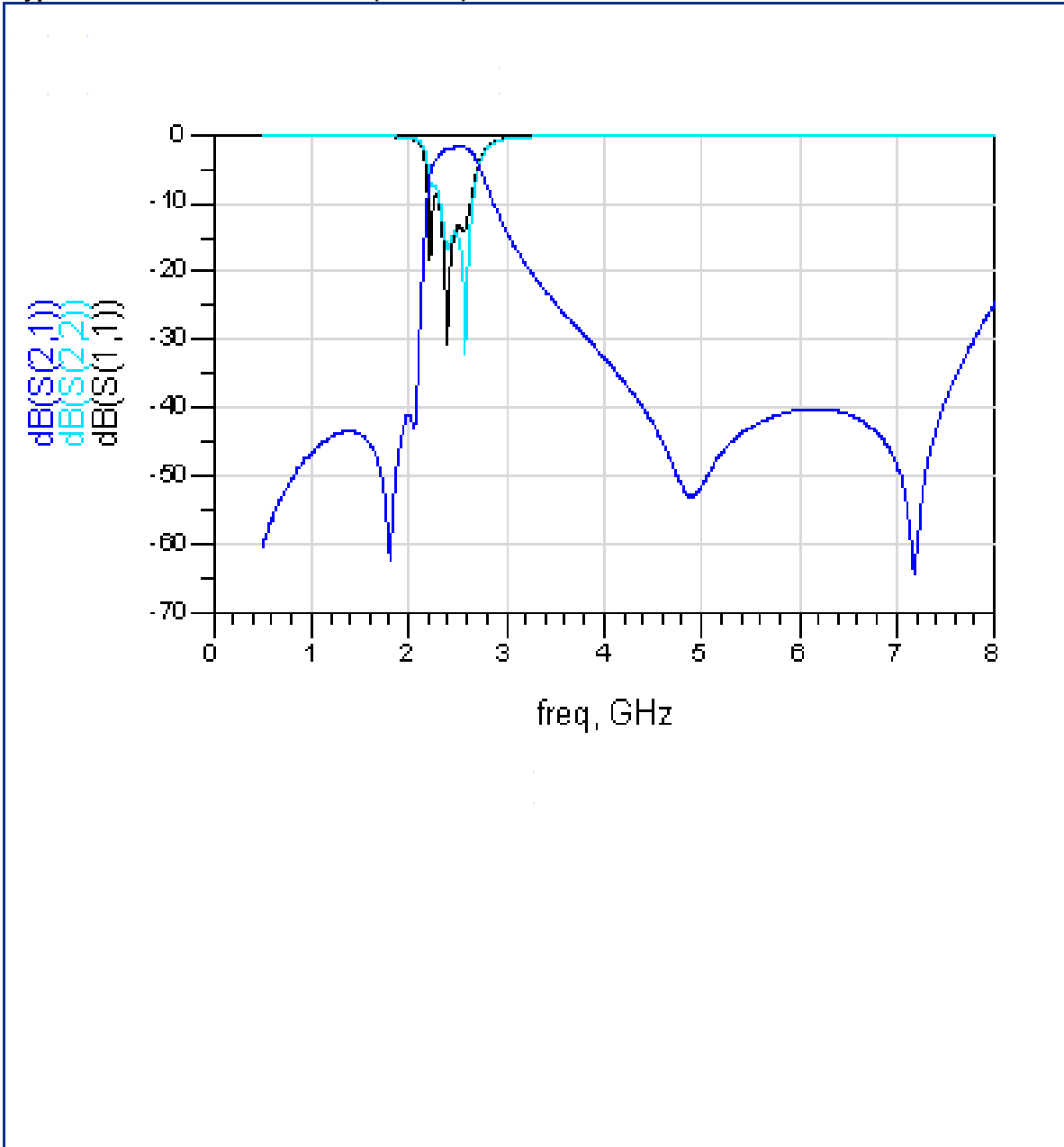
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Typical Electrical Performance (T=25°C)



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