



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

## 1.75 GHz Low Pass Filter

P/N 1748LP18A075

Detail Specification: 07/29/08

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### General Specifications

Part Number	1748LP18A075
Frequency (MHz)	1710 - 1785
Insertion Loss	0.60 dB max.
Return Loss	10.9 dB min.
Attenuation (min.)	30 dB @ 3500 MHz
Attenuation (min.)	20 dB @ 5240 MHz

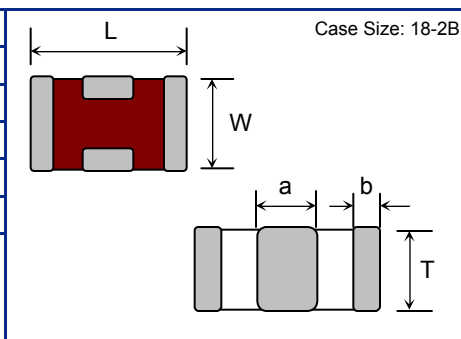
Input Power	2W max.
Impedance	50 Ω
Operating Temperature	-40 to +85°C
Storage Temperature	+5 ~ +35 °C, 12 mos max. Humidity 45~75%RH
Reel Quantity	3,000
MSL	2*

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

P/N	Packaging Style	Bulk	Suffix = S	Eg. 1748LP18A075S
Suffix	Style	T & R	Suffix = E	Eg. 1748LP18A075E

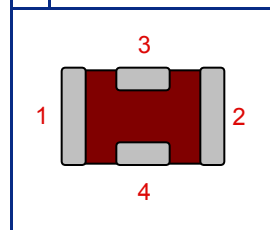
### Mechanical Dimensions

	In	mm
L	0.126 ± 0.012	3.20 ± 0.30
W	0.063 ± 0.012	1.60 ± 0.30
T	0.039 ± 0.008	1.00 ± 0.20
a	0.031 ± 0.012	0.80 ± 0.30
b	0.020 ± 0.012	0.50 ± 0.30



### Terminal Configuration

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



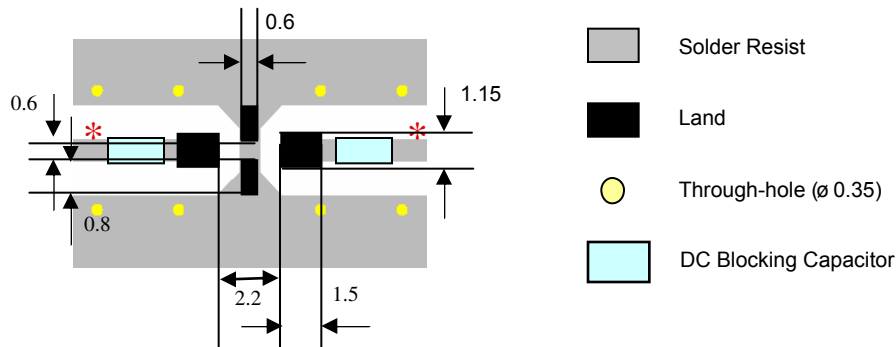
### Mounting Considerations

Mount these devices with brown mark facing up.

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

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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[www.johansontechology.com](http://www.johansontechology.com)

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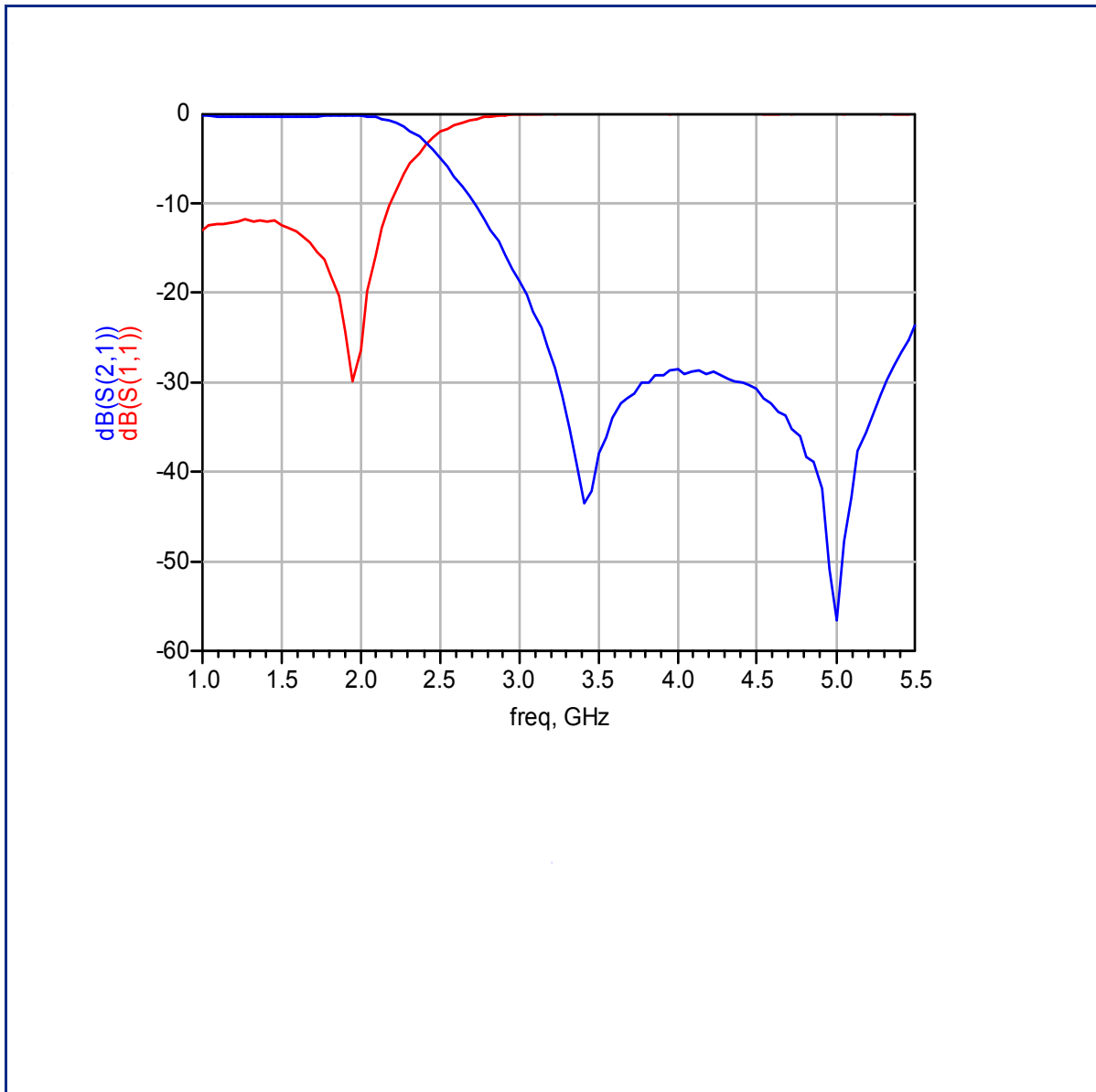
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### Typical Electrical Performance (T=25°C)



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