



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

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# High Frequency Ceramic Solutions

## 868 MHz Low Pass Filter

P/N 0868LP15A020

Detail Specification: 06/04/09

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### General Specifications

Part Number	0868LP15A020
Frequency (MHz)	858~878
Insertion Loss	0.50 max.
Return Loss	14.0 dB min.
Attenuation (min.)	30 dB @ 2 x fo
Attenuation (min.)	40 dB @ 3 x fo

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	4,000

P/N Suffix	Packaging Style	Bulk	Suffix = S	Eg. 0868LP15A020S
		T & R	Suffix = E	Eg. 0868LP15A020E
	Termination Style	100% Tin	Suffix = None	Eg. 0868LP15A020(E or S)
		Tin / Lead	Suffix = /Pb	Eg. 0868LP15A020(E or S)/Pb

### Terminal Configuration

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

### Mechanical Dimensions

	In	mm
L	0.079 ± 0.004	2.00 ± 0.10
W	0.049 ± 0.004	1.25 ± 0.10
T	0.037 ± 0.004	0.95 ± 0.10
a	0.012 ± 0.004	0.30 ± 0.10
b	0.008 ± 0.004	0.20 ± 0.10
c	0.012 +.004/-0.008	0.30 +0.1/-0.2
g	0.014 ± 0.004	0.35 ± 0.10
p	0.026 ± 0.002	0.65 ± 0.05

Unit :

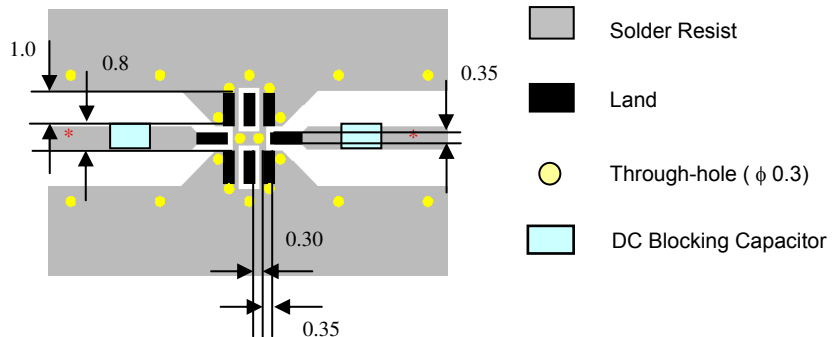
### Mounting Considerations

Mount these devices with brown mark facing up.

Line width should be designed to provide 50 Ω 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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# High Frequency Ceramic Solutions

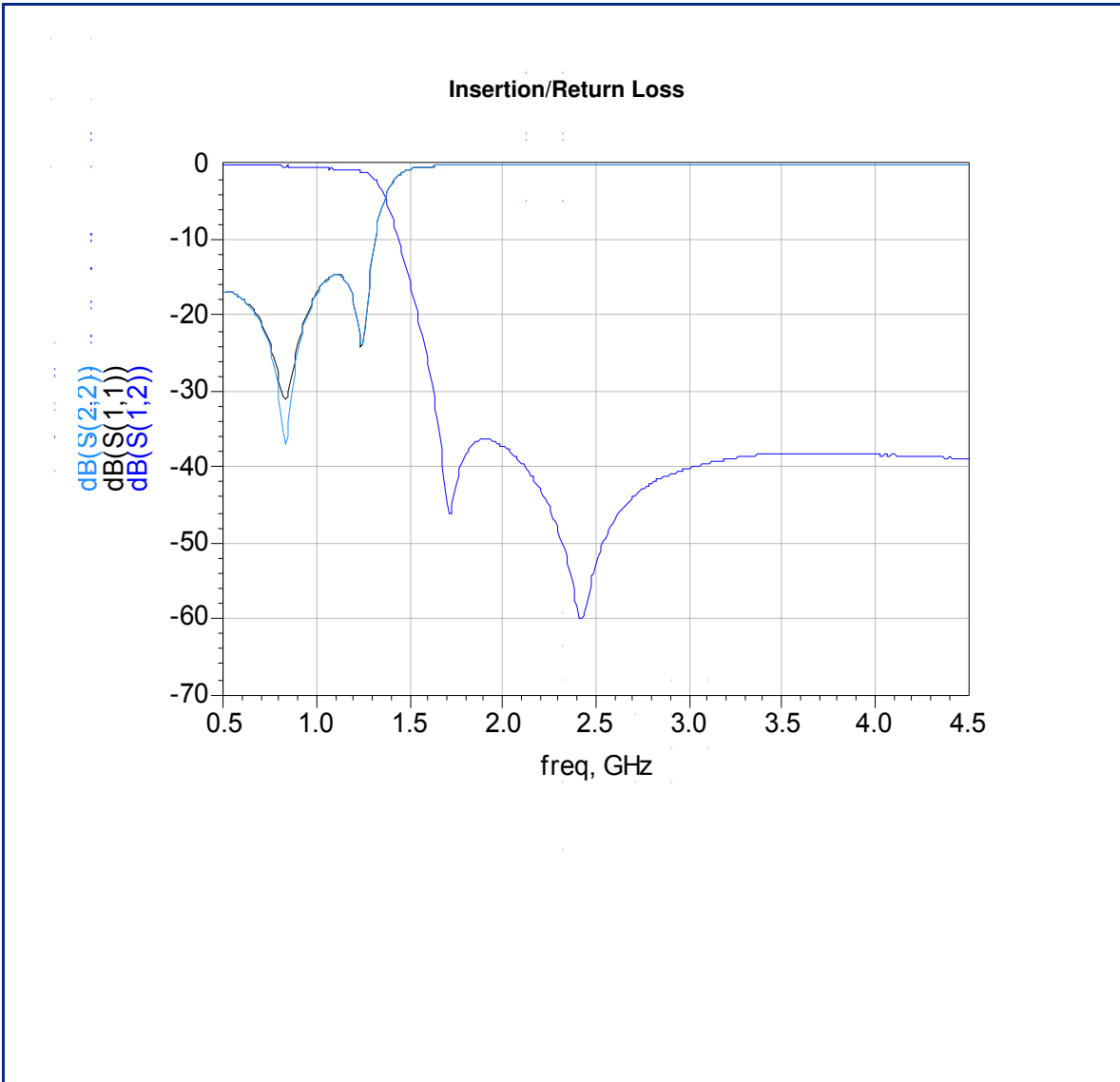
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Typical Electrical Performance (T=25°C)



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