



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

## 900 MHz Low Pass Filter

P/N 0892LP07A0136

Detail Specification: 5/15/2018

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### General Specifications

Part Number	0892LP07A0136	Return Loss	9.5 dB min.
Frequency (MHz)	824 - 960	Impedance	50 Ω
Insertion Loss	0.7 dB max.	Operating Temperature	-40 to +85°C
Attenuation (min.)	18 dB @ 1648 - 1920 MHz	Reel Quantity	10,000
Attenuation (min.)	25 dB @ 2472 - 2880 MHz	Input Power	500 mW max.
Attenuation (min.)	25 dB @ 3296 - 3840 MHz		

### Part Number Explanation

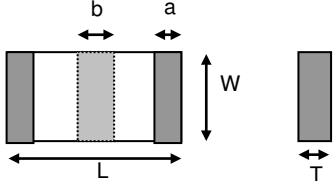
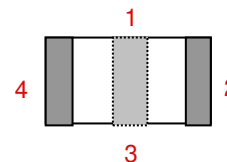
P/N Suffix	Packaging Style	Bulk	Suffix = S	Eg. 0892LP07A0136S
		T & R	Suffix = T	Eg. 0892LP07A0136T
	Termination	AgPt	Suffix = None	Eg. 0892LP07A0136(S or T)
	EVB Board	0892LP07A0136-EB-SMA (2 female SMA connectors)		

### Terminal Configuration

No	Function
1	GND
2	OUT
3	GND
4	IN

### Mechanical Dimensions

	In	mm
L	0.039 ± 0.002	1.00 ± 0.05
W	0.020 ± 0.002	0.50 ± 0.05
T	0.015 ± 0.002	0.38 ± 0.05
a	0.006 ± 0.004	0.15 ± 0.10
b	0.010 ± 0.004	0.25 ± 0.10

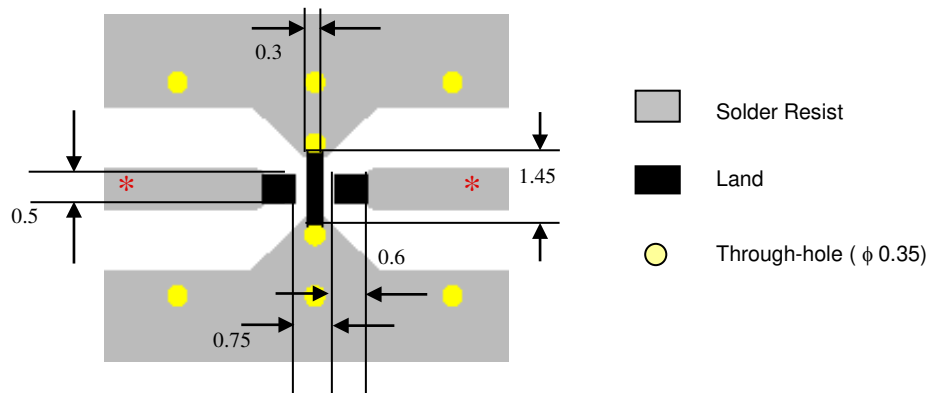



### Mounting Considerations

Mount these devices with brown mark facing up.

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

Units: mm



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# High Frequency Ceramic Solutions

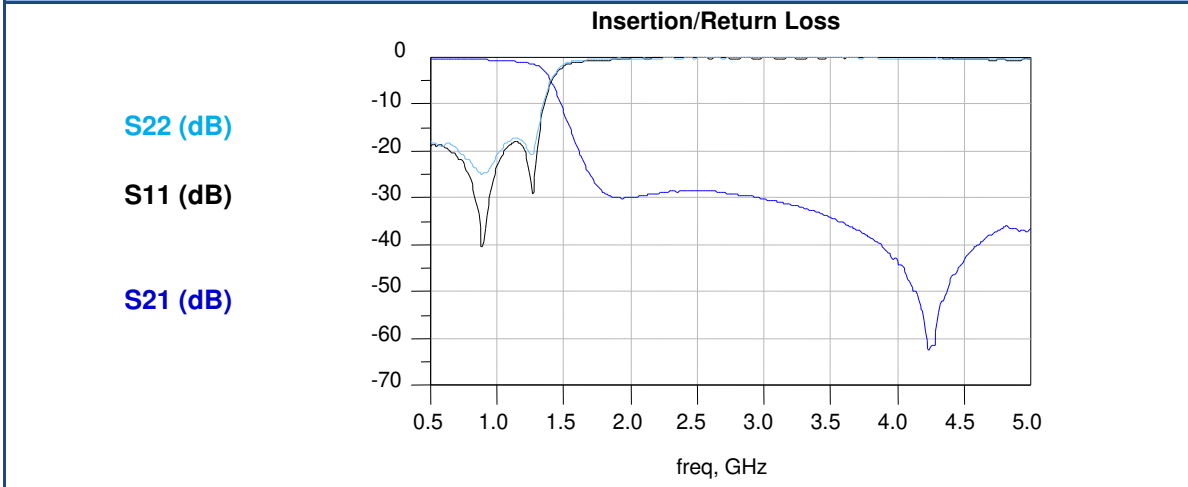
**900 MHz Low Pass Filter**

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



## Packaging information

[www.johansontechnology.com/tape-reel-packaging](http://www.johansontechnology.com/tape-reel-packaging)

## Soldering Information

[www.johansontechnology.com/typical-soldering-profile.html](http://www.johansontechnology.com/typical-soldering-profile.html)

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## MSL Info

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## To Download Measured S-parameters for Evaluation and Simulation:

[www.johansontechnology.com/low-pass-filters](http://www.johansontechnology.com/low-pass-filters)

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## Mini SMD Chip Antennas at:

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4001 Calle Tecate • Camarillo, CA 93012, USA • TEL +1.805.389.1166

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