



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

312-434 MHz Low Pass Filter. Lighting, Remote Control, Smart Home, Automotive Key Fobs, Location Services, AMR, AEC-Q200 Qualified

P/N: 0400LP15A0122

Detail Specification: 2/21/2018

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General Specifications

Frequency (MHz)	312 - 434	Operating Temperature	-40 to +85°C
Insertion Loss (dB)	0.9 Typ. (1.3 max)	Recommended Storage Conditions of unused product on T&R and period	+5 to +35 °C Humidity 45~75%RH 18 months
Return Loss (dB)	15 Typ. (9.5 min)		
Attenuation @ 624-630MHz (dB)	28 Typ. (20 Min.)		
Attenuation @ 800-900MHz (dB)	30 Typ. (25 Min.)	Power Capacity	2W max. (CW)
Attenuation @ 900-950MHz (dB)	35 Typ. (30 Min.)		
Attenuation @ 1575MHz (dB)	38 Typ. (35 Min.)		
Attenuation @ 1700-2100MHz (dB)	34 Typ. (28 Min.)		
Attenuation @ 2195-2205 (dB)	38 Typ. (35 Min.)		
Attenuation @ 2400-2600 (dB)	30 Typ. (25 Min.)		



Do you need us to review your layout for free or may be looking for a small SMD antenna ?
Contact us at: www.johansontechnology.com/ask-a-question

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 +.004/-0.006	0.20 +0.1/-0.15
c	0.012 ± 0.004	0.30 ± 0.10
g	0.014 ± 0.004	0.35 ± 0.10
p	0.026 ± 0.002	0.65 ± 0.05

Terminal Configuration

No.	Function
1	GND
2	NC
3	GND
4	I/O
5	GND
6	NC
7	GND
8	I/O

Mounting Considerations

Solder Resist
 Land
 RF GND Vias Through-hole (ϕ 0.3)

*Trace must be designed to a 50Ω characteristic impedance based on PCB material and thickness. Grounded CPWG style trace recommended.

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High Frequency Ceramic Solutions

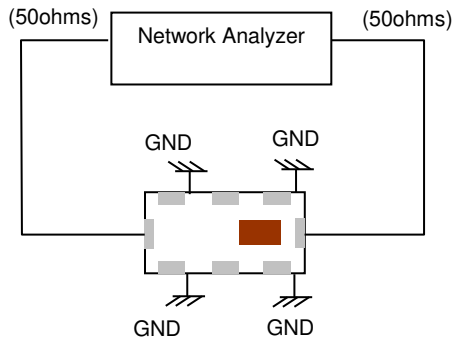
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Measuring Diagram

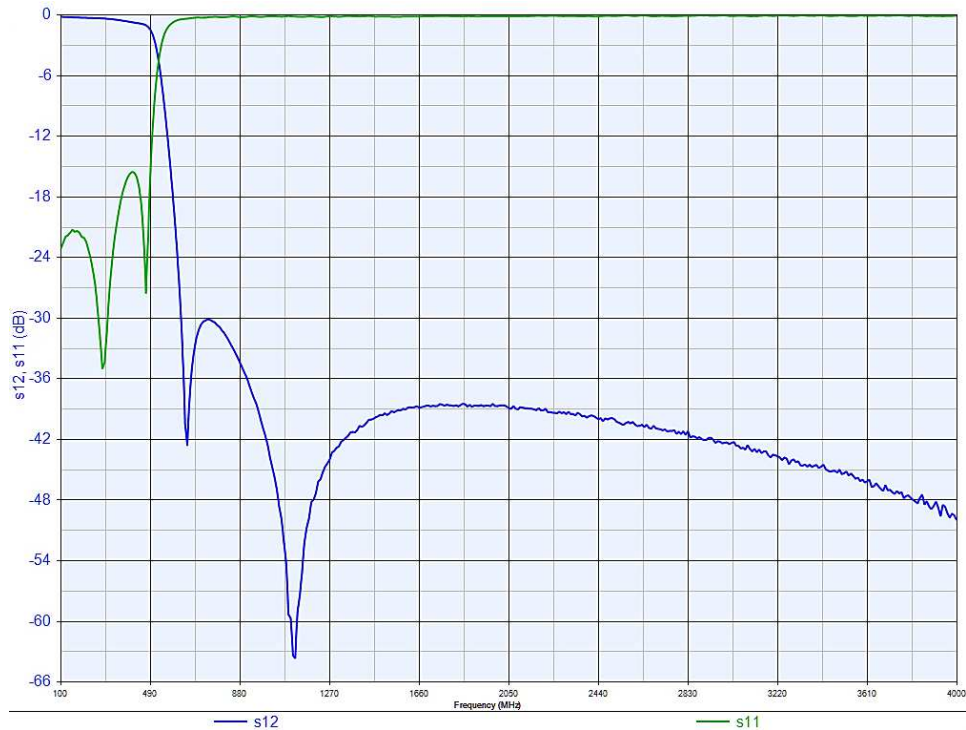


Click here Order the SMA-ready Evaluation Board p/n 0400LP15A0122-EB1SMA:
www.johansontechnology.com/request-a-

Want the layout file of this? Send us a message at:
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Let us help with your filter (or Johanson antenna) layout for best performance and send us a message by clicking on the link above.

Typical Electrical Performance (T=25°C)



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Part Number Explanation

P/N Suffix	Packing Style	Bulk	Suffix = S	0400LP15A0122S
		T & R	Suffix = T	0400LP15A0122E (Reel:4000pcs)
	50Ω SMA Connector Eval Board		0400LP15A0122E-EB1 SMA (orderable p/n)	

Packaging information

www.johansontechnology.com/tape-reel-packaging

Soldering Information

www.johansontechnology.com/typical-soldering-profile

RoHS Compliance

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MSL Info

www.johansontechnology.com/msl-rating

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