

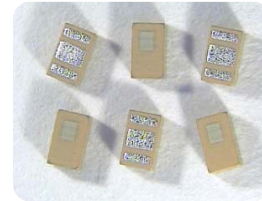
# High Frequency Ceramic Solutions

**2025 MHz LTE Low Pass Filter. EIA 0805 with reduced footprint using LGA pads P/N 2025LP15A1225**

Detail Specification: 09/03/14

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<b>Frequency (MHz)</b>	800~1000	1700~1910	2010~2025
<b>Insertion Loss @ BW</b>	0.5 max. dB	0.8 max. dB	1.5 max. dB
<b>Return Loss</b>	9.5dB min.		
<b>Attenuation</b>	@2300~6100MHz, 25dB Typ, 20dB min		
	@3700~4100MHz, 34dB Typ, 30dB min		
	@6100~8000MHz, 15dB Typ, 10dB min		
<b>Solder Paste</b>	SAC 305 type is recommended.		
<b>Storage Period</b>	18 months max. in package*		
<b>Power Capacity</b>			2W max. (CW)
<b>Reel Quantity</b>			4,000
<b>Operating Temperature</b>			-40 to +85°C
<b>Storage Temperature</b>			-40 to +85°C



\*CAUTION: 18 months in vacuum sealed bag and 1 week after opened. Please keep unused parts in vacuum sealed bags. Go to: <http://www.johansontechnology.com/silverleads> for more info.

## Part Number Explanation

<b>P/N Suffix</b>	<b>Packing Style</b>	Bulk	Suffix = S	2025LP15A1225S
		T & R	Suffix = E	2025LP15A1225E (Reel Size: 4000pcs)
	<b>Termination style</b>	AgPt	Suffix = None	2025LP15A1225(E/R/S)
	<b>50Ω SMA Connector Eval Board</b>		2025LP15A1225-EB1SMA (orderable p/n)	

## Mechanical Dimensions

	In	mm	
<b>L</b>	0.079 ± 0.006	2.00 ± 0.15	
<b>W</b>	0.049 ± 0.004	1.25 ± 0.10	
<b>T</b>	0.037 max.	0.95 max.	
<b>a</b>	0.037 ± 0.004	0.95 ± 0.10	
<b>b</b>	0.011 ± 0.004	0.28 ± 0.10	
<b>c</b>	0.024 ± 0.004	0.60 ± 0.10	
<b>d</b>	0.010 ± 0.002	0.25 ± 0.05	

## Terminal Configuration

No.	Function
<b>1</b>	IN
<b>2</b>	GND
<b>3</b>	OUT

## Mounting Considerations

Would you like the layout file of this filter or need help with the RF layout? Contact our RF Applications Engineering team at: [www.johansontechnology.com/component/techquestion](http://www.johansontechnology.com/component/techquestion)

\* Line width should be designed to match 50ohm characteristic impedance, depending on PCB material and thickness.

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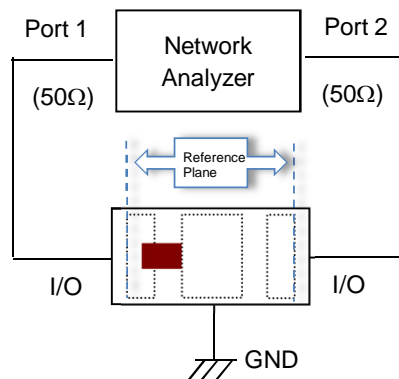
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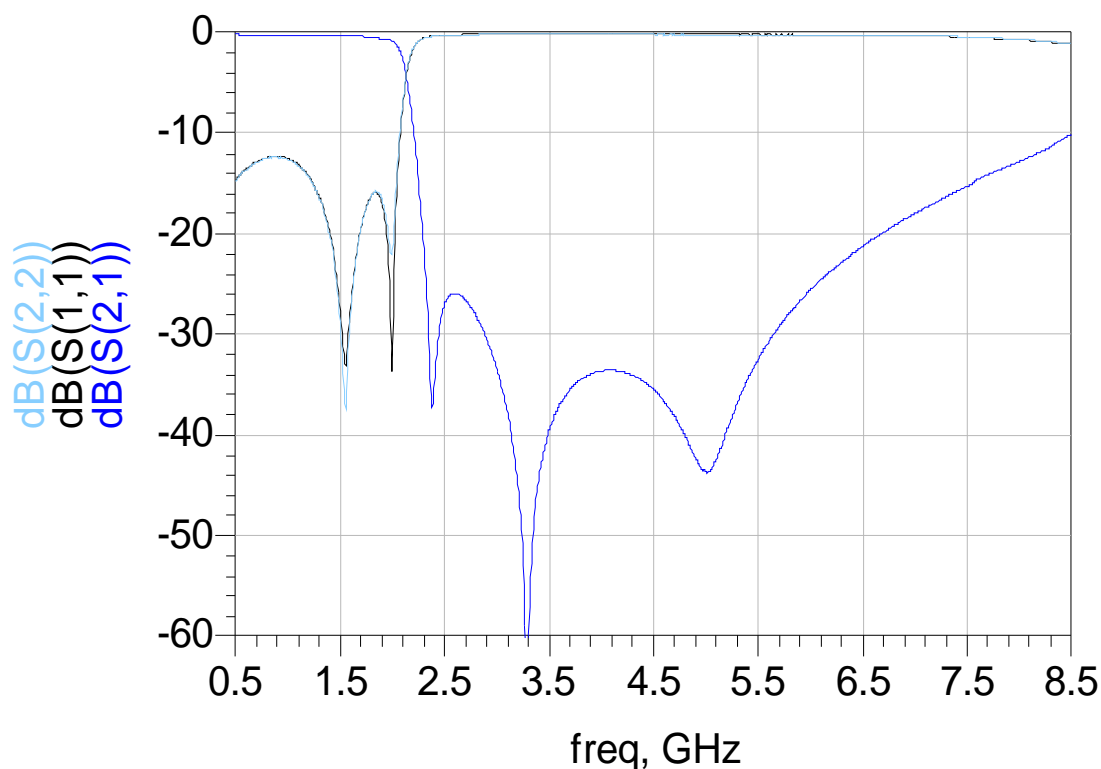
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## Measuring Diagram



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



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

[www.johansontechnology.com/lpf](http://www.johansontechnology.com/lpf)

## Soldering Information

[www.johansontechnology.com/ipcsoldering-profile](http://www.johansontechnology.com/ipcsoldering-profile)

## RoHS Compliance

[www.johansontechnology.com/technical-notes/rohs-compliance.html](http://www.johansontechnology.com/technical-notes/rohs-compliance.html)

## MSL Info

[www.johansontechnology.com/technical-notes/msl-rating.html](http://www.johansontechnology.com/technical-notes/msl-rating.html)

## Packaging information

[www.johansontechnology.com/ipcpackaging.html](http://www.johansontechnology.com/ipcpackaging.html)

## For layout review contact our Applications Team at:

[www.johansontechnology.com/component/techquestion](http://www.johansontechnology.com/component/techquestion)

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