

"High Frequency Ceramic Solutions"

2.4 GHz Low Pass Filter

P/N 2442LP18A083

Detail Specification: 08/15/11

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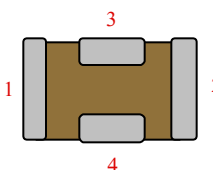
General Specifications

Part Number	2442LP18A083
Frequency (MHz)	2400 - 2483
Insertion Loss	0.6 dB max.
Return Loss	10.9 dB min.
Attenuation (min.)	30 dB @ 2 x f _o
Attenuation (min.)	18 dB @ 3 x f _o

Impedance	50 Ω
Input Power	3 Watt max.
Operating Temperature	-40 to +85°C
Storage Temperature	+5 to +35°C, Humidity: 45-75%RH, 18 mos. Max
Reel Quantity	3000

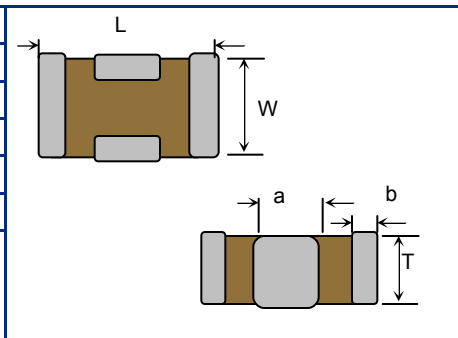
P/N Suffix	Packaging	Bulk	Suffix = S	Eg. 2442LP18A083S
	Style	T & R	Suffix = E	Eg. 2442LP18A083E
	Termination Style	100% Tin	Suffix = None	Eg. 2442LP18A083(E or S)
	Evaluation Board	2442LP18A083-EBSMA (2-Port SMA EVB)		

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



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

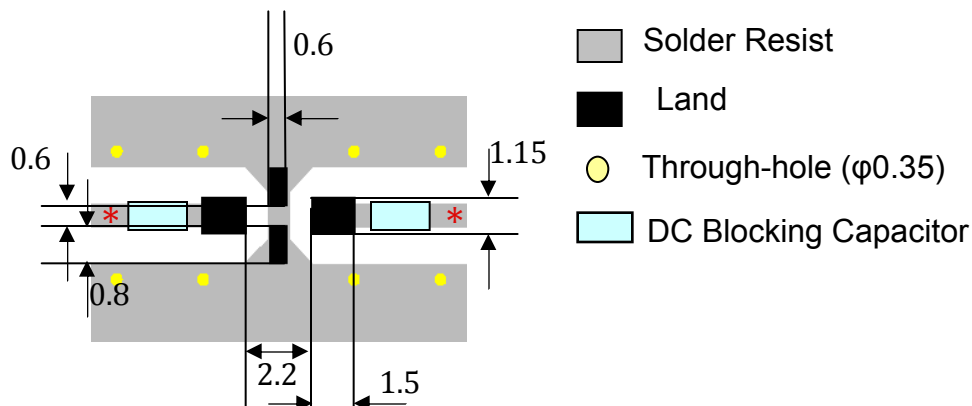


Mounting Considerations

Mount these devices with brown mark facing up.

* Line width should be designed to provide 50 ohm impedance, depending on PCB material and thickness

Units: mm



Johanson Technology, Inc. reserves the right to make design changes without notice.

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www.johansontechnology.com

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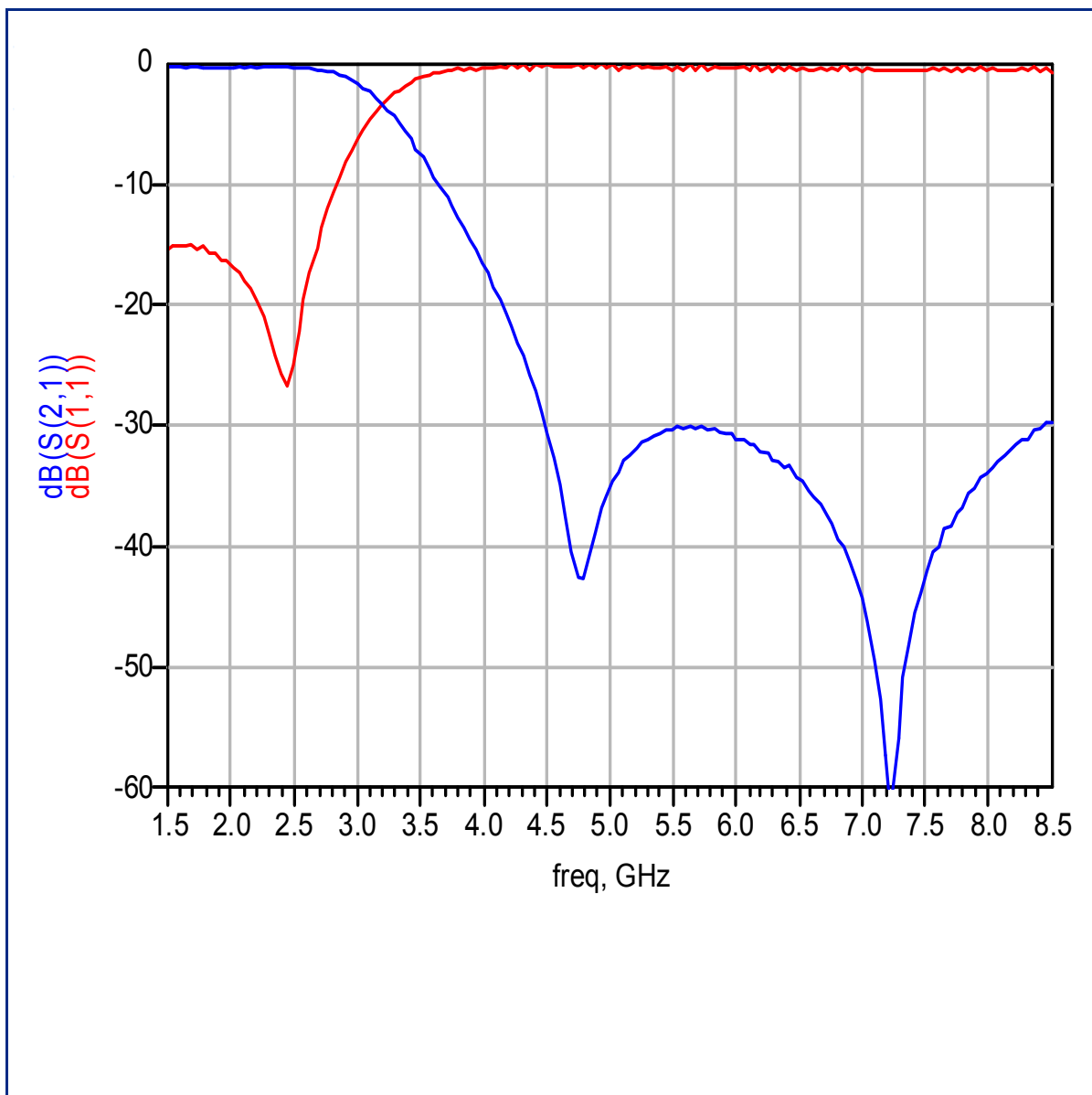
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Typical Electrical Performance (T=25°C)



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