

Excellent Integrated System Limited

Stocking Distributor

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[Johanson Technology Inc.](#)
[2450LP15B050E](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

High Frequency Ceramic Solutions

2.45 GHz Low Pass Filter **P/N 2450LP15B050**
 Detail Specification: 05/04/2011 Page 1 of 2

General Specifications

Part Number	2450LP15B050
Frequency (MHz)	2400 - 2500
Attenuation (min.)	32 dB @ 2 x fo
Attenuation (min.)	30 dB @ 3 x fo
Attenuation (min.)	30 dB @ 4 x fo

Insertion Loss	0.50 dB max.
Return Loss	10.9 dB min.
Input Power	1 Watt max.
Operating Temperature	-40 to +85°C

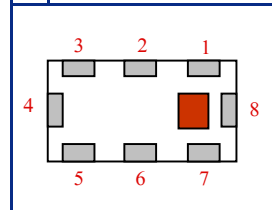
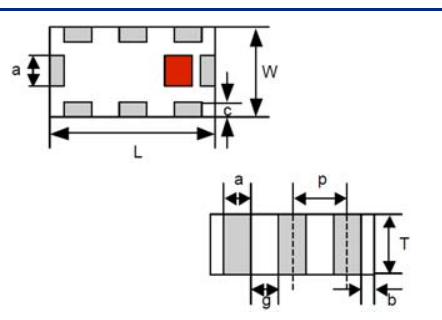
P/N	Packaging Style	Bulk	Suffix = S	Eg. 2450LP15B050
		T & R	Suffix = E	Eg. 2450LP15B050
Suffix	Termination Style	100% Tin	Suffix = None	Eg. 2450LP15B050(E or S)
		Tin / Lead	Suffix = /Pb	Eg. 2450LP15B050(E or S)/Pb

Terminal Configuration

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

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/-.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



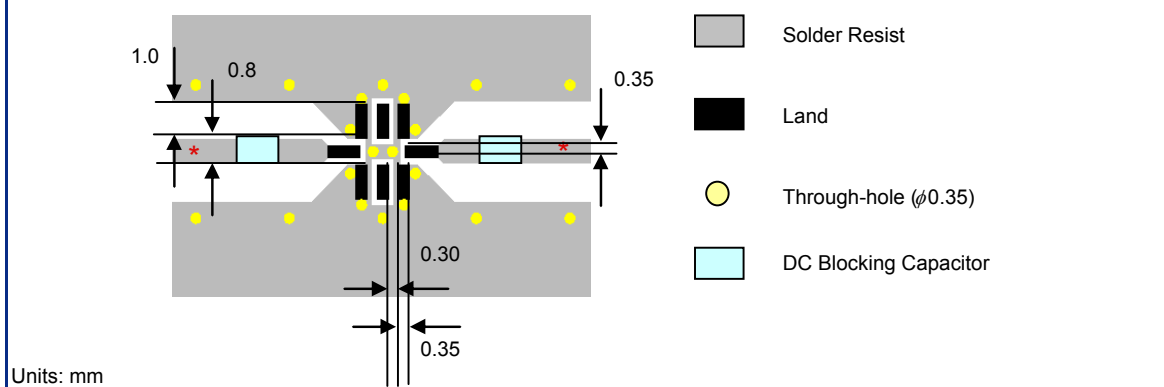
*Pins 4 and 8 interchangeable

Mounting Considerations

Mount these devices with brown mark facing up.

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

* DC Blocking capacitor should be connected in series at each In/Out Port if DC blocking desired



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 All sales are subject to Johanson Technology, Inc. terms and conditions.

"High Frequency Ceramic Solutions"

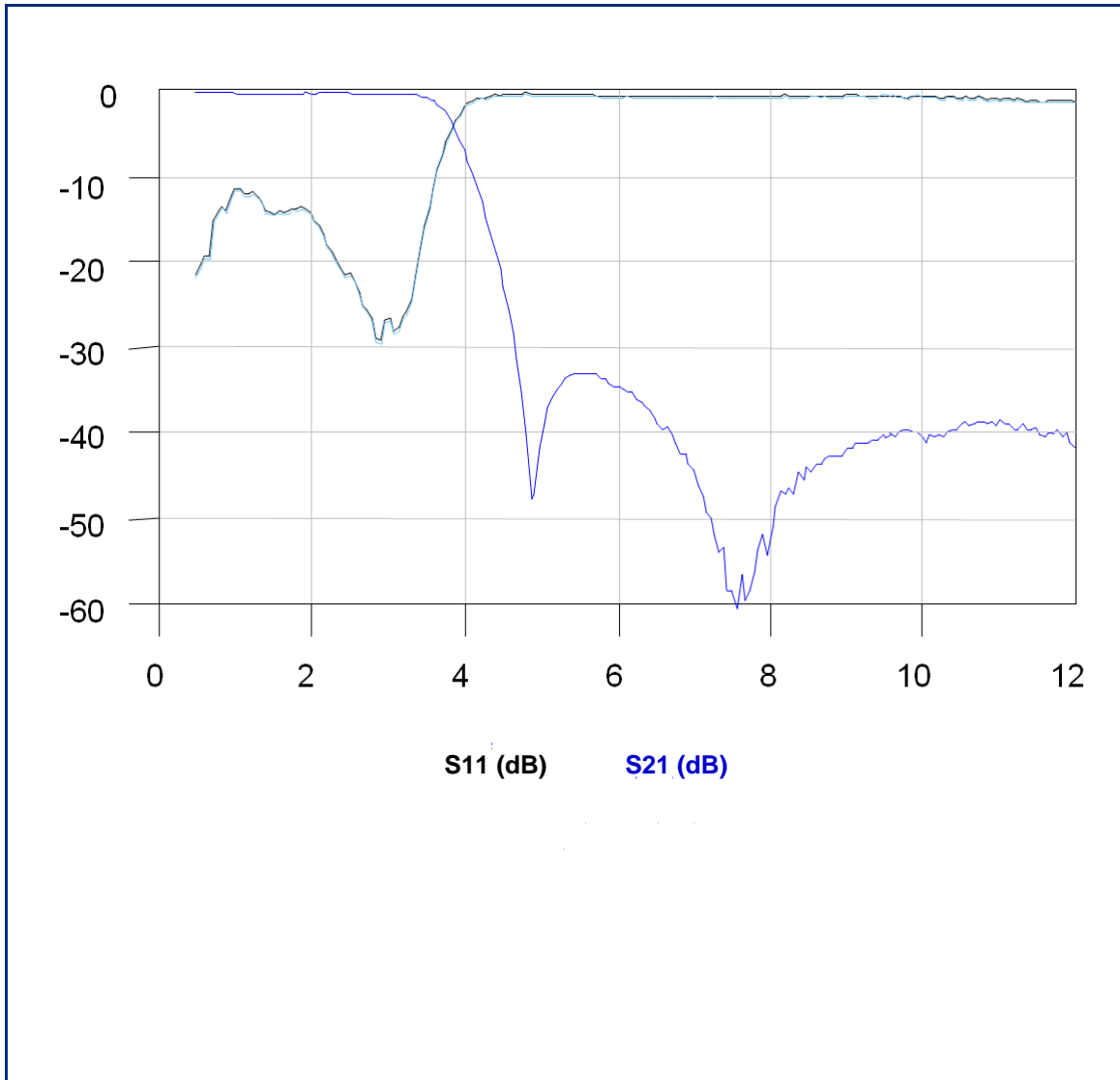
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Detail Specification: 05/04/2011

Page 2 of 2

Typical Electrical Performance (T=25°C)



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