

PRELIMINARY

868 MHz Low Pass Filter

Detail Specification: 01/25/08

P/N 0868LP15A020

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General Specifications

Part Number	0868LP15A020
Frequency (MHz)	858~878
Insertion Loss	0.50 max.
Return Loss	14.0 dB min.
Attenuation (min.)	30 dB @ 2 x fo
Attenuation (min.)	40 dB @ 3 x fo

Input Power	2W max.
Impedance	50 Ω
Operating Temperature	-40 to +85°C
Storage Temperature	+5 ~ +35 °C, 12 mos max. Humidity 45~75%RH
Reel Quantity	4,000

P/N Suffix	Packaging	Bulk	Suffix = S	Eg. 0868LP15A020S
	Style	T & R	Suffix = E	Eg. 0868LP15A020E
	Termination	100% Tin	Suffix = None	Eg. 0868LP15A020(E or S)
	Style	Tin / Lead	Suffix = /Pb	Eg. 0868LP15A020(E or S)/Pb

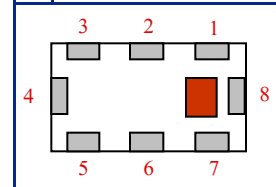
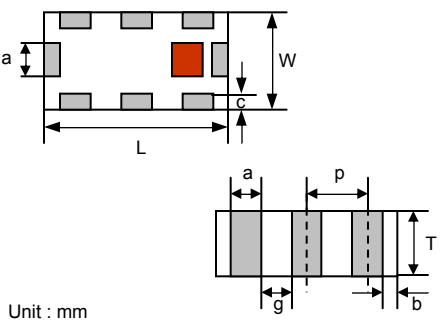
Terminal Configuration

No.	Function
1	GND
2	NC
3	GND
4	OUT
5	GND
6	NC
7	GND
8	IN

Mechanical Dimensions

	In	mm
L	0.079 $\pm$ 0.004	2.00 $\pm$ 0.10
W	0.049 $\pm$ 0.004	1.25 $\pm$ 0.10
T	0.037 $\pm$ 0.004	0.95 $\pm$ 0.10
a	0.012 $\pm$ 0.004	0.30 $\pm$ 0.10
b	0.008 $\pm$ 0.004	0.20 $\pm$ 0.10
c	0.012 $\pm$ 0.004/-0.008	0.30 $\pm$ 0.1/-0.2
g	0.014 $\pm$ 0.004	0.35 $\pm$ 0.10
p	0.026 $\pm$ 0.002	0.65 $\pm$ 0.05

Unit : mm



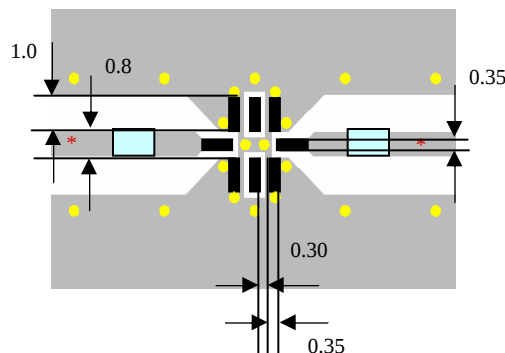
Mounting Considerations

Mount these devices with brown mark facing up.

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

DC Blocking capacitor is connected in series at each In/Out Port.

Units: mm



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

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www.johansontechology.com

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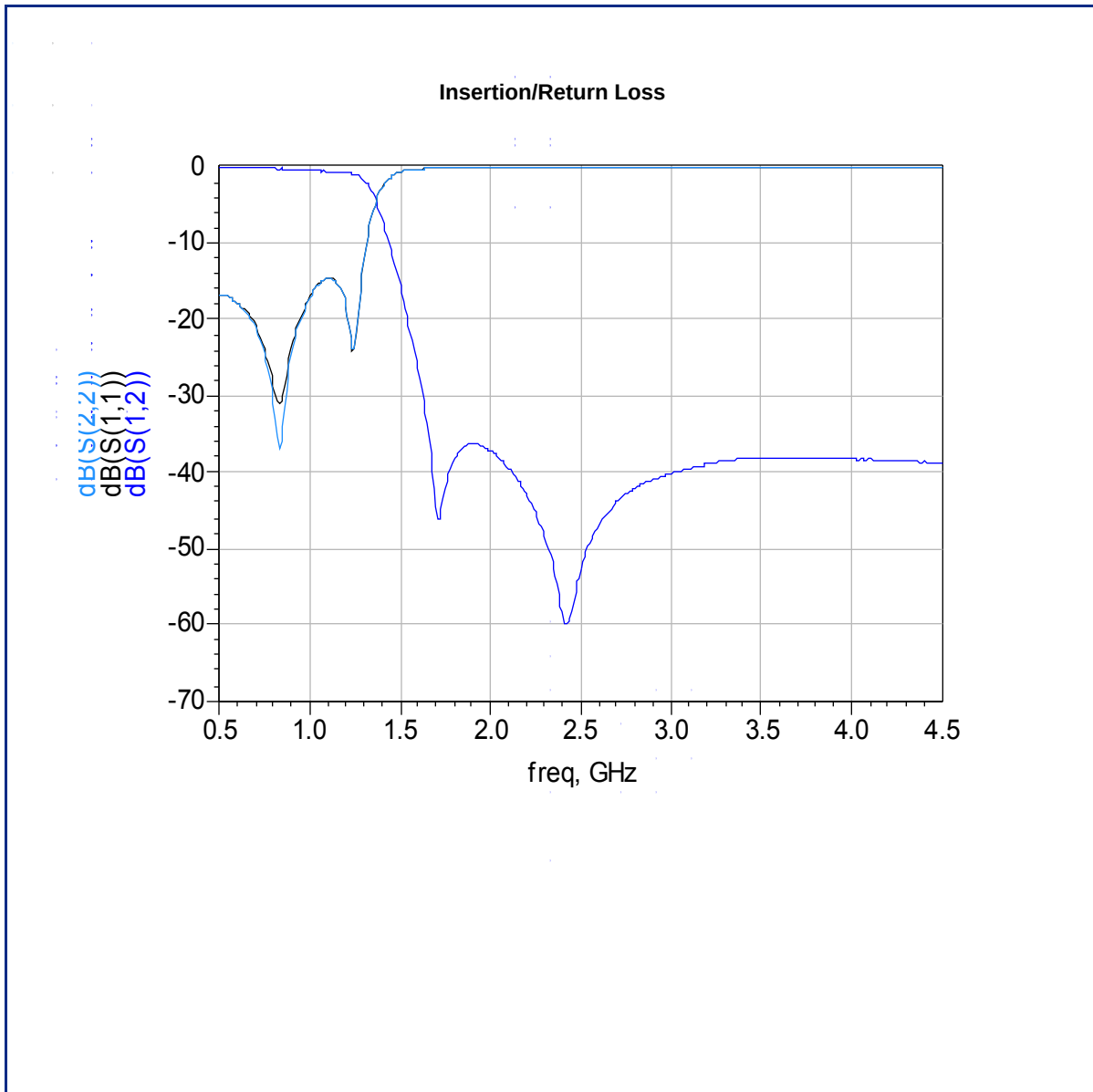
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Typical Electrical Performance (T=25°C)



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