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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.

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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



High Frequency Ceramic Solutions


900 MHz Wide Band Low Pass Filter

P/N 0900LP15B0063

Detail Specification: 3/16/2018

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General Specifications

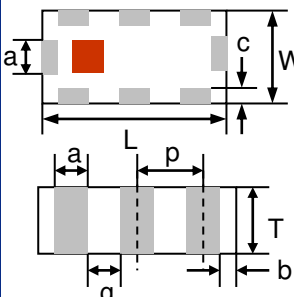
Frequency (MHz)	863 - 960	Recommended Storage Conditions (unmounted/unused product on T&R)	+5 ~ +35 °C, Humidity 45~75%RH
Insertion Loss (dB)	0.7 Typ. (0.9 max)		
2Fo Attenuation (1726-1856MHz)	50 Typ. (46 Min.)		
3Fo Attenuation (2589-2784MHz)	59 Typ. (50 Min.)		
Power Capacity	3W max. (CW)		
Operating Temperature	-40 to +85°C		
Storage Temperature	-40 to +85°C		

Part Number Explanation

P/N Suffix	Packing Style	Bulk	Suffix = S	0900LP15B0063S
		T & R	Suffix = E	0900LP15B0063E (Reel Size: 4000pcs)
	Termination style	100% Tin	Suffix = None	0900LP15B0063(E/S)
	50Ω SMA Connector Eval Board		0900LP15B0063-EB1SMA (orderable p/n)	

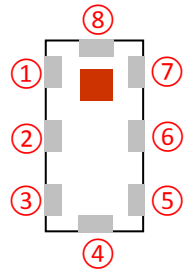
Mechanical Dimensions

	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

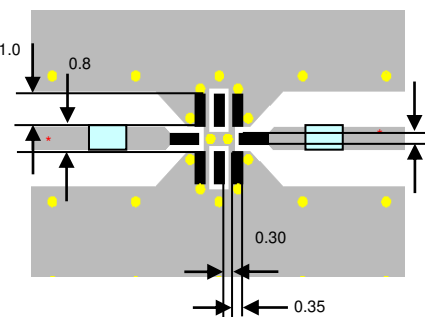


Terminal Configuration

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
 Through-hole (φ0.3)
 If DC Blocking is required, use a 10-12pF capacitor in the I/Os

*Trace must be designed to a 50Ω characteristic impedance based on PCB material and thickness.

Want the layout file or need us to revise your layout to make sure is correct? Send us a message at:
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High Frequency Ceramic Solutions

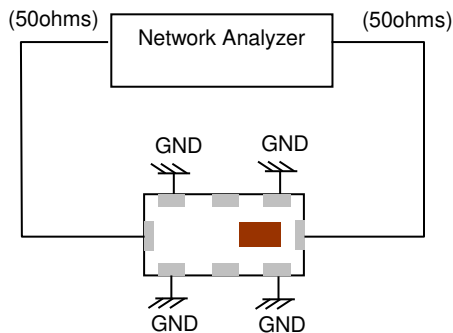
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Measuring Diagram



Click here Order the SMA-ready Evaluation Board p/n 900LP15B0063-EB1SMA:

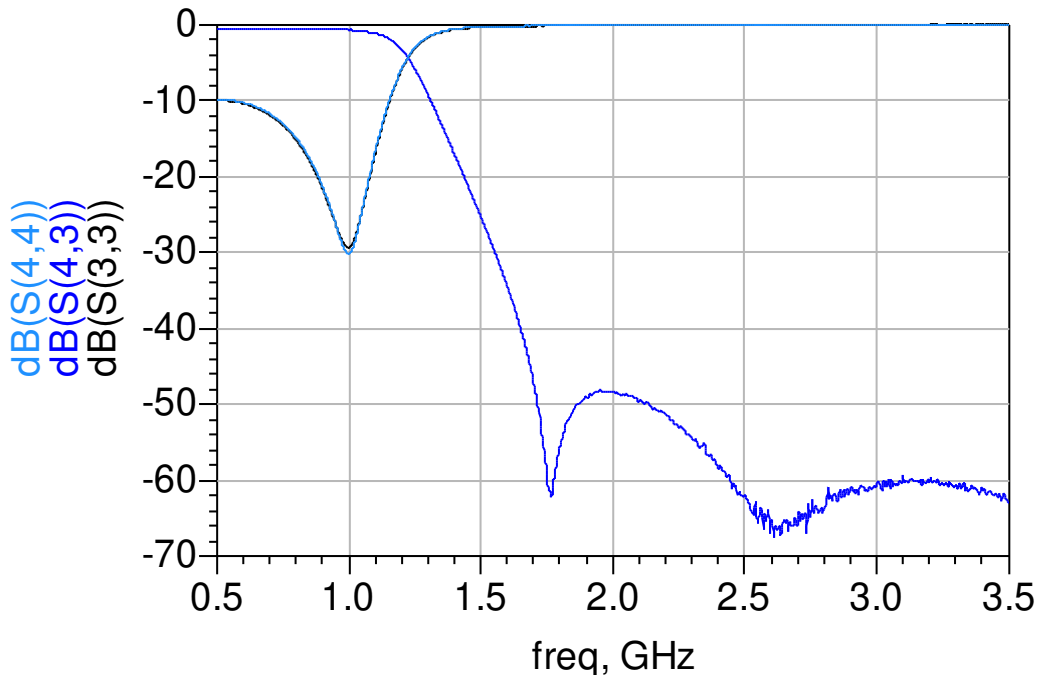
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Let us help with your filter (or Johanson antenna) layout for best performance and send us a message by clicking on the link above

Typical Electrical Performance (T=25°C)



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