



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# "High Frequency Ceramic Solutions"

Preliminary

5.4GHz 50:200Ω Balun

P/N 5400BL14A0200

Detail Specification: 12/14/10

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## General Specifications

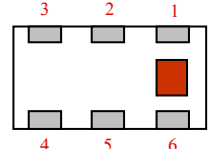
Part Number	5400BL14A0200
Frequency (MHz)	4900~5950
Unbalanced Impedance	50 Ω
Balanced Impedance (diff.)	200 Ω
Insertion Loss	1.2 dB max.
Return Loss	9.5 dB min.

Phase Difference	180° ± 10
Amplitude Difference	1.5 dB max.
Operating Temperature	-40 to +85°C
Storage Temperature	+5 ~ +35 °C, Humidity 45~75%RH, 18 mos. max
Reel Quantity	4,000
Power Capacity	0.5 watts max.

P/N Suffix	Packaging Style	Bulk	Suffix = S	Eg. 5400BL14A0200S
		T & R	Suffix = T	Eg. 5400BL14A0200T
	Termination Style	100% Tin	Suffix = None	Eg. 5400BL14A0200(T or S)
	Evaluation Board	5400BL140200-EB1SMA		

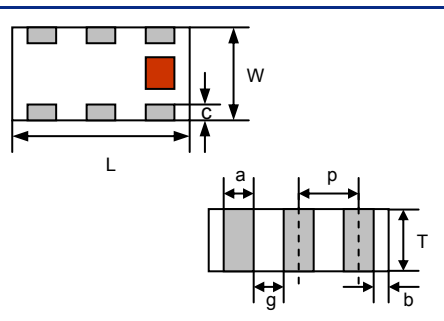
## Terminal Configuration

No.	Function
1	Unbalanced Port (IN)
2	GND or DC feed + RF GND
3	Balanced Port (OUT1)
4	Balanced Port (OUT2)
5	GND
6	NC



## Mechanical Dimensions

	In	mm
L	0.063 ± 0.004	1.60 ± 0.10
W	0.031 ± 0.004	0.80 ± 0.10
T	0.024 ± 0.004	0.60 ± 0.10
a	0.008 ± 0.004	0.20 ± 0.10
b	0.008 +.004/-.006	0.20 +0.1/-0.15
c	0.006 ± 0.004	0.15 ± 0.10
g	0.012 ± 0.004	0.30 ± 0.10
p	0.020 ± 0.002	0.50 ± 0.05

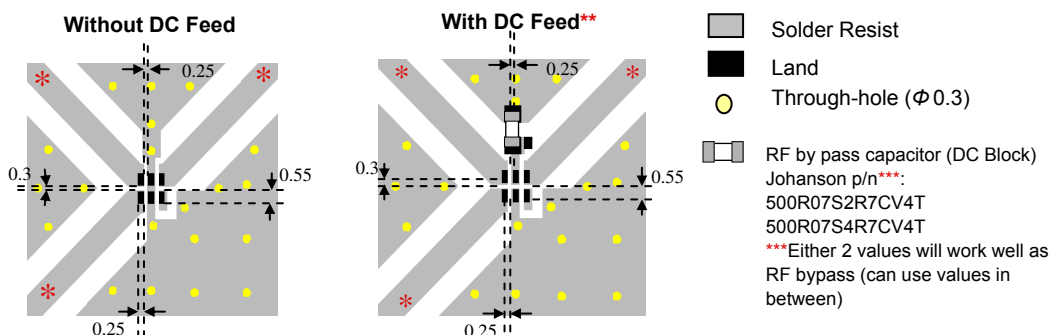


## Mounting Considerations

Mount these devices with brown mark facing up.

\* Line width should be designed to provide proper impedance matching characteristics.

\*\* A 2.7-4.7pF by-pass capacitor should be connected to GND (acting as RF GND) when using the DC feed feature.



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

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Preliminary

# "High Frequency Ceramic Solutions"

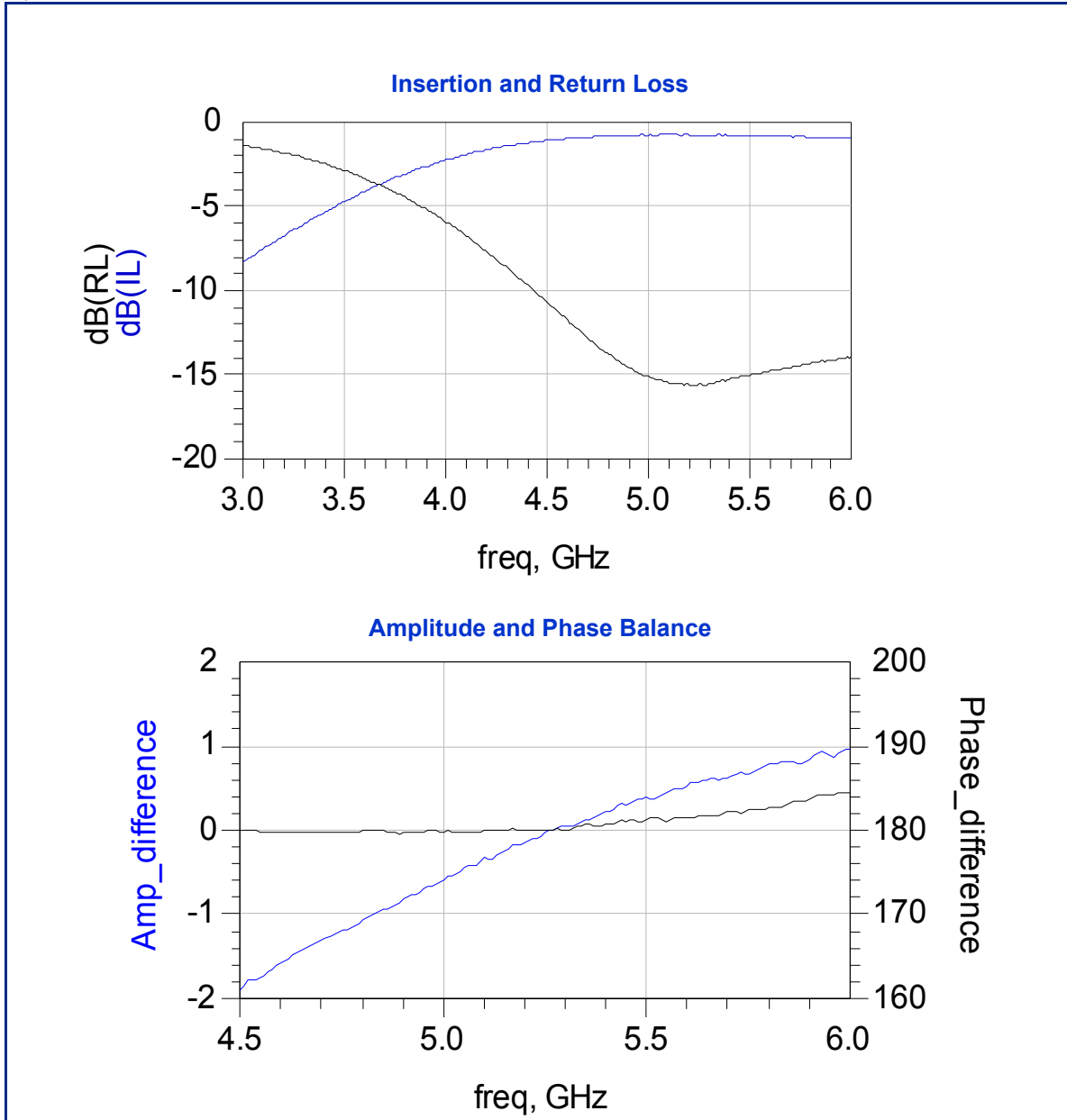
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Typical Electrical Performance (T=25°C)



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