## imall

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!



## Contact us

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## High Frequency Ceramic Solutions

#### Impedance-Matched Highly Integrated Ceramic Passive Component for Atheros Qualcomm AR6004 Chipset

## P/N 2450PC14A0017

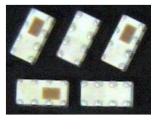
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Detail Specification: 08/07/12

Preliminary

General Specifications					
Part Number	2450PC14A0017				
Frequency	2400 ~ 2500	5150 ~ 5850			
Insertion Loss	3.8 dB max.	2.6 dB max.			
Unbalanced Impedance	50 Ω	50 Ω			
Balanced Impedance	Conjugate match to AR6004 _Rx BGA				
Phase Diff. (degree)	180±15	-135+/-20 @ 5.15GHz 165+/-20 @ 5.85GHz			
Amp. Diff.	-1.5 +/- 2.0	0+/-2 @ 5.15GHz -4.0+/-2 @ 5.85GHz			

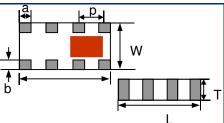
Reel Quantity	4,000
Operating Temperature	-40 to +85°C
Recommended Storage Conditions	+5 ~ +35°C, Humidity: 45~75%RH, 18 mos. Max
Power Capacity	2W max.



Terminal Configuration				
No.	Function			
1	GND			
2	Rx5			
3	GND			
4	Rx2			
5	Rx2_a			
6	Rx2_b			
7	Rx5_a			
8	Rx5_b			
(	4 3 2 1			

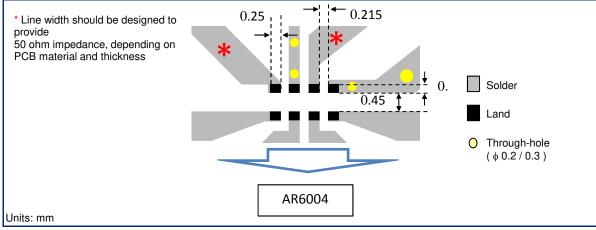
#### **Mechanical Dimensions**

	In	mm	í  ₹
L	$0.063 \pm 0.004$	1.60 ± 0.10	
W	0.031 ± 0.004	0.80 ± 0.10	¥
т	0.039 max.	0.7 max.	
а	0.008 +.004/006	0.20 +0.1/-0.05	<b>↑</b>  •
b	0.006 +.004/006	0.15 +0.1/-0.05	U
р	0.020 ± 0.004	0.50 ± 0.10	



# 4 3 2 1 5 6 7 8

#### **Mounting Considerations**



Johanson Technology, Inc. reserves the right to make design changes without notice. All sales are subject to Johanson Technology, Inc. terms and conditions.



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## High Frequency Ceramic Solutions

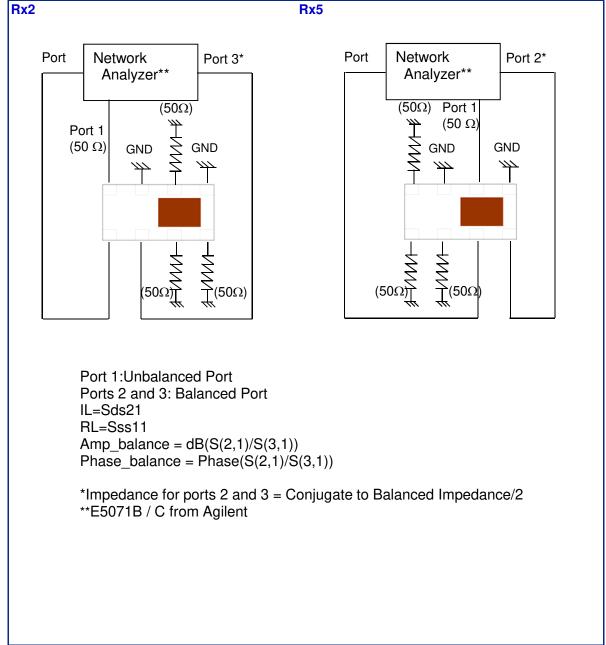
#### Impedance-Matched Highly Integrated Ceramic Passive Component for Atheros Qualcomm AR6004 Chipset Detail Specification: 08/07/12

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#### **Circuit Application**

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## High Frequency Ceramic Solutions

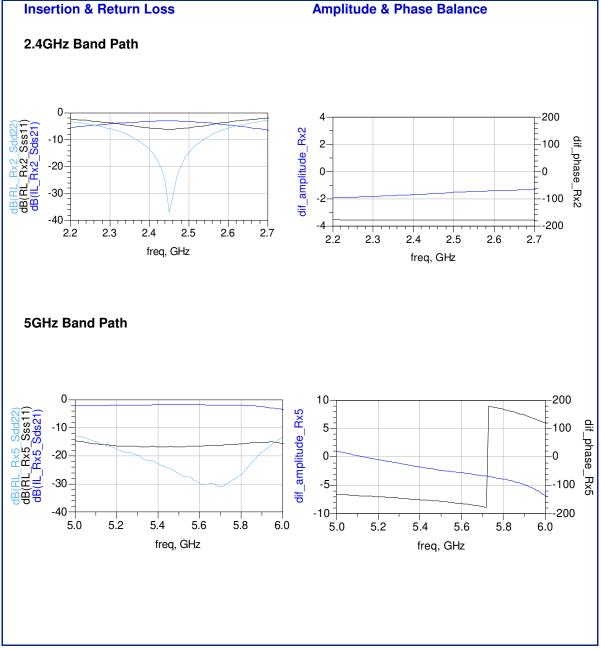
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