



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

2.45 GHz Impedance Matched Balun-Filter: Optimized for CEL ZIC2410 Chipset P/N 2450BM15B0009

Detail Specification: 11/08/2010

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## General Specifications

Part Number	2450BM15B0009
Frequency (MHz)	2400 - 2500
Unbalanced Impedance	50 $\Omega$
Balanced Impedance	Conjugate match to ZIC2410 chipset
Attenuation	25 dB min.@4800~5000MHz
Attenuation	22 dB min.@7200~7500MHz
Insertion Loss	1.5 dB max.

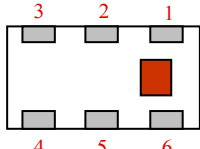
Return Loss	9.5 dB min.
Phase Difference	180° $\pm$ 10
Input Power	2W max.
Reel Quantity	4,000
Operating Temperature	-40 to +85°C
Storage Temperature Range	+5 ~ +35 °C, Humidity 45~75%RH, 12 mos. max & 1 week after opened, more info:

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P/N Suffix	Packaging Style	Bulk	Suffix = S	Eg. 2450BM15B0009S
		T & R	Suffix = E	Eg. 2450BM15B0009E
Termination Style		100% Tin	Suffix = None	Eg. 2450BM15B0009(E or S)
		Tin / Lead	Please consult Factory	

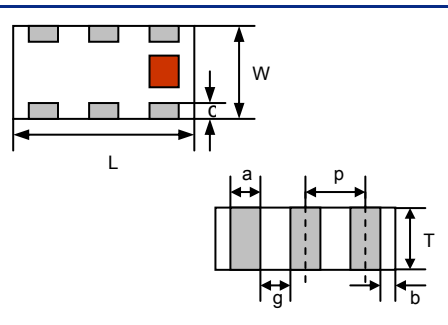
## Terminal Configuration

No.	Function
1	Balanced Port
2	Balanced Port
3	NC or DC Feed
4	GND
5	Unbalanced Port
6	GND



## 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	0.028 $\pm$ 0.004	0.70 $\pm$ 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 +.004/-0.008	0.30 +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

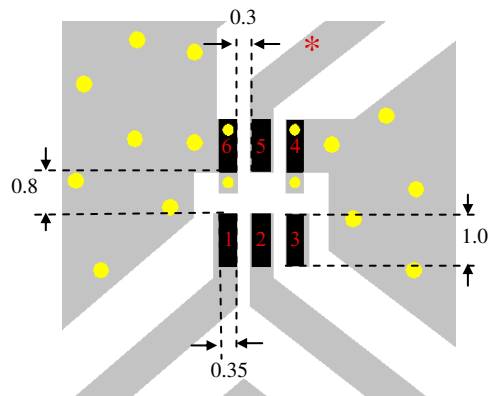


## Mounting Considerations

Mount these devices with brown mark facing up. Units: mm

\*Line width should be designed to provide 50  $\Omega$  impedance matching characteristics.

-  Solder Resist
-  Land
-  Through-hole ( $\phi$ 0.3/0.2)



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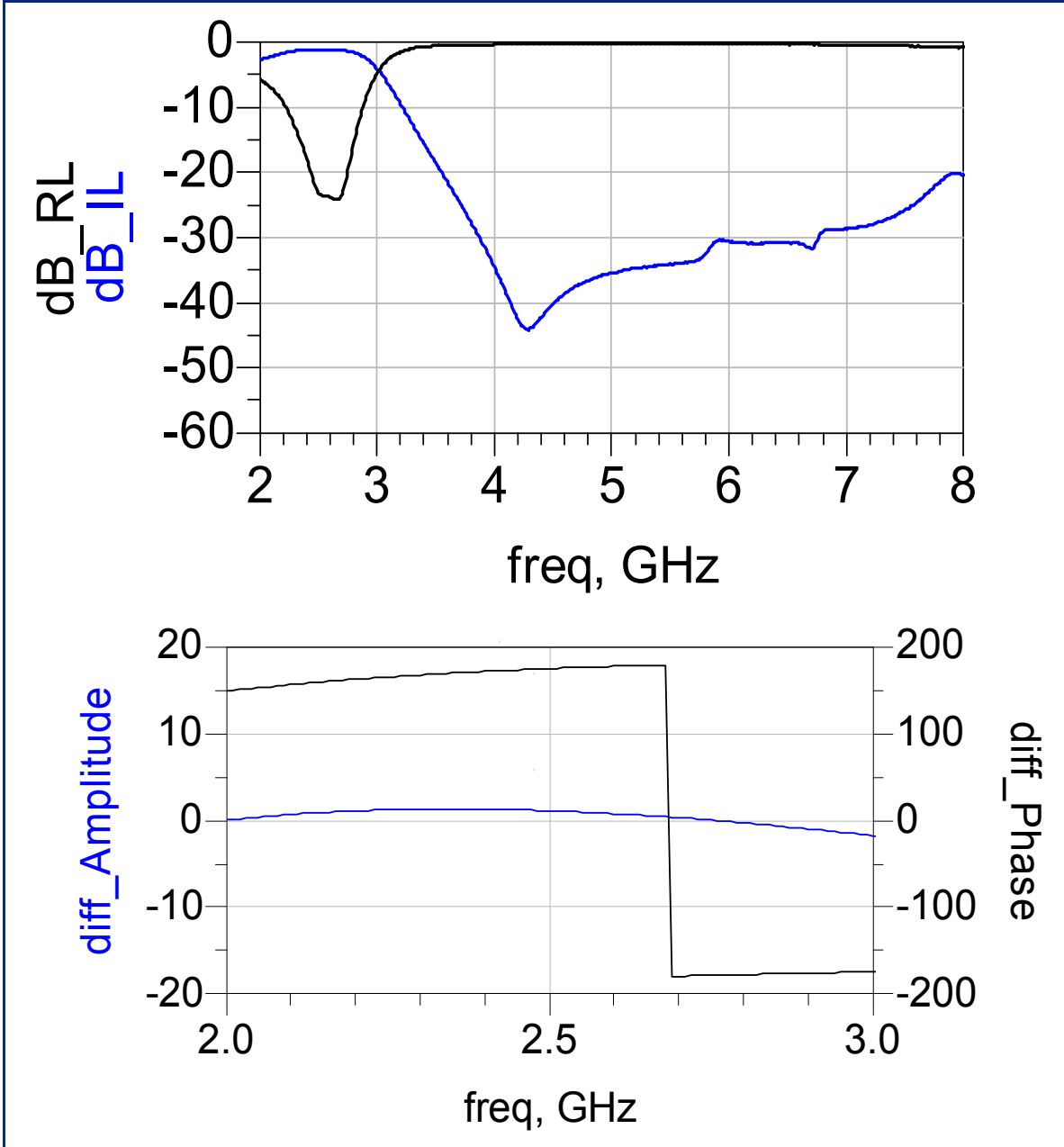
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Typical Electrical Performance (T=25°C)



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