



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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PRELIMINARY

2.45GHz Balun/Filter Combination

P/N 2450FB39C100

Detail Specification: 06/05/07

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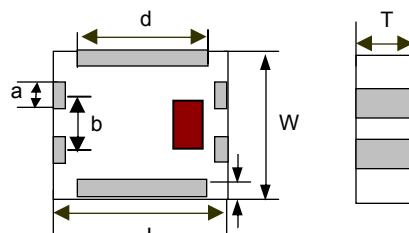
General Specifications

Part Number	2450FB39C100
Frequency (MHz)	2400 - 2500
Unbalanced Impedance	50 Ω
Balanced Impedance	100 Ω
Insertion Loss	3.0 dB max.
Return Loss	9.5 dB min.
Phase Difference	180° \pm 8
Amplitude Difference	1.0 dB max.

Attenuation (dB)	45 min. @ 880~960MHz
	38 min. @ 1710~1880 MHz
	35 min. @ 1880~1990 MHz
	20 min. @ 2110~2170 MHz
	30 min. @ 4800~5000MHz
Operating + Storage Temp	-40 to +85°C
Reel Quantity	3000
Power Capacity	1 watt max.
MSL	2

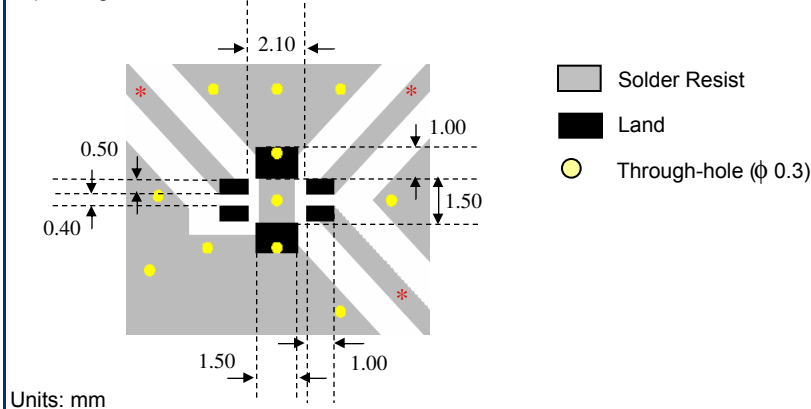
Mechanical Dimensions

	In	mm
L	0.098 \pm 0.008	2.50 \pm 0.20
W	0.079 \pm 0.008	2.00 \pm 0.20
T	0.043 \pm 0.004	1.10 \pm 0.10
a	0.016 \pm 0.008	0.40 \pm 0.20
b	0.031 \pm 0.008	0.80 \pm 0.20
c	0.012 +.004/-0.008	0.30 +0.1/-0.2
d	0.075 \pm 0.008	1.90 \pm 0.20



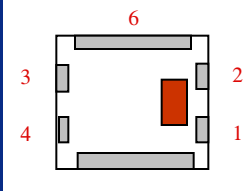
Mounting Considerations

* Line width should be designed to match 50 Ω characteristic impedance, depending on PCB material and thickness.



Terminal Configuration

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



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

PRELIMINARY

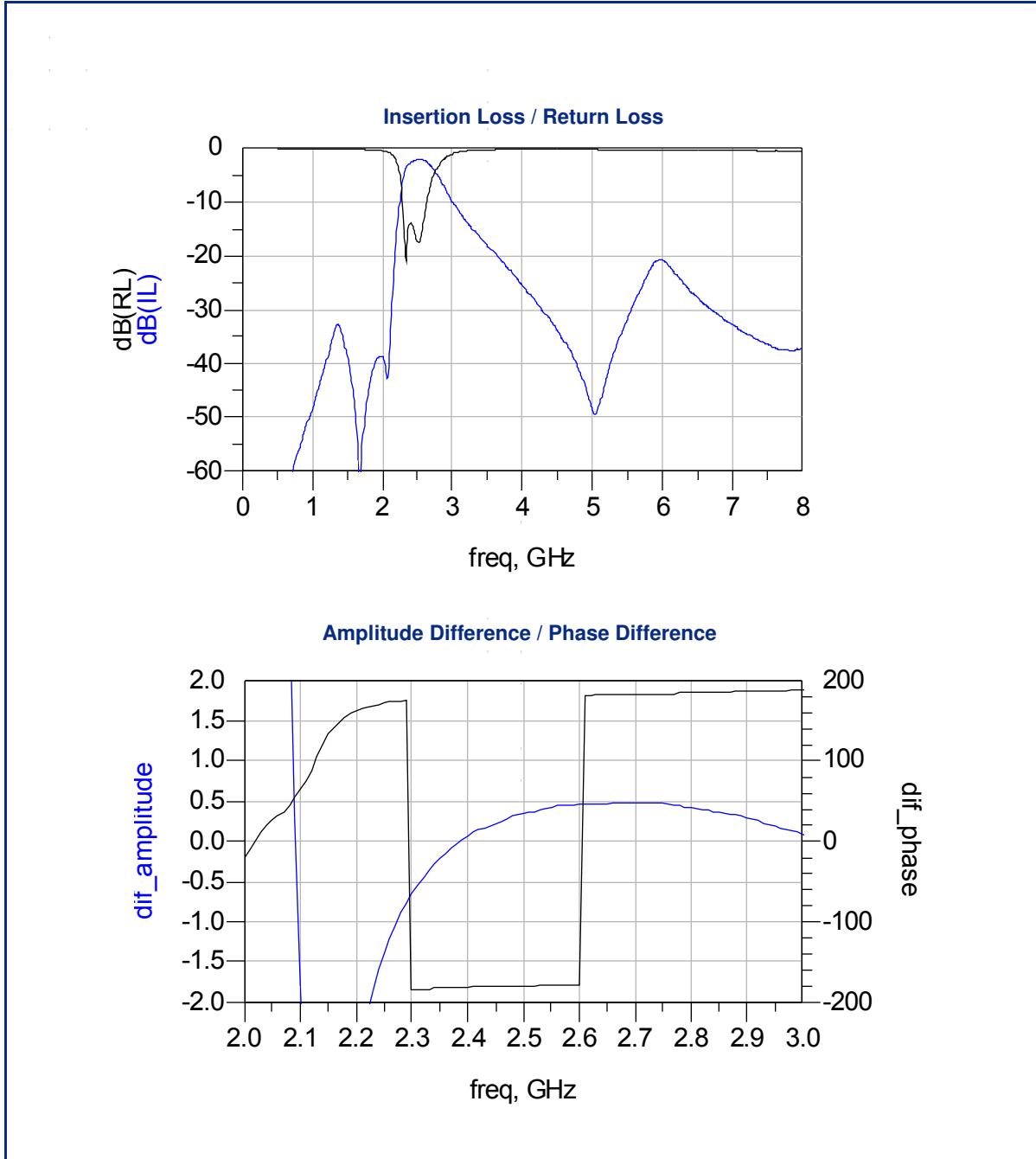
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Typical Electrical Performance (T=25°C)



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