

Excellent Integrated System Limited

Stocking Distributor

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[Johanson Technology Inc.](#)
[2345FB39A0050E](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

"High Frequency Ceramic Solutions"

2.35GHz Balun/Filter Combination

P/N 2345FB39A0050

Detail Specification: 07/03/13

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General Specifications

Part Number	2345FB39A0050		30 min.@ 766~797MHz
Frequency (MHz)	2300 - 2390		20 min.@1532~1594MHz
Unbalanced Impedence	50 Ω	Attenuation (dB)	12 min.@2110~2170MHz
Balanced Impedence	50 Ω		29 min.@3066~3186MHz
Insertion Loss	3.2 dB max.		28 min.@3833~3983MHz
Return Loss	11.73 dB min.	Operating & Storage Temp.	-40 to +85°C
Phase Difference	180° $\pm$ 10	Reel Quantity	3000
Amplitude Difference	1.5 dB max.	Power Capacity	1 watt max.
		MSL	2 *

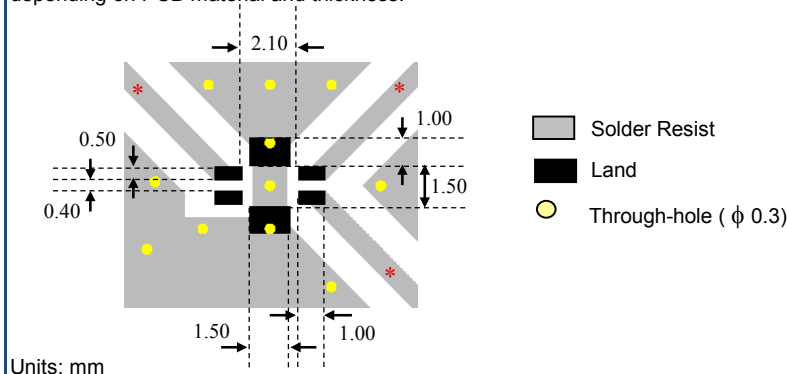
*1 yr shelf life in bag; 1 week shelf life out of bag; Vacuum reseal unused reel

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 $\pm$ 0.004/-0.008	0.30 $\pm$ 0.1/-0.2	
d	0.075 $\pm$ 0.008	1.90 $\pm$ 0.20	

Mounting Considerations

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



Terminal Configuration

No.	Function
1	Unbalanced Port
2	NC or DC Feed
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.

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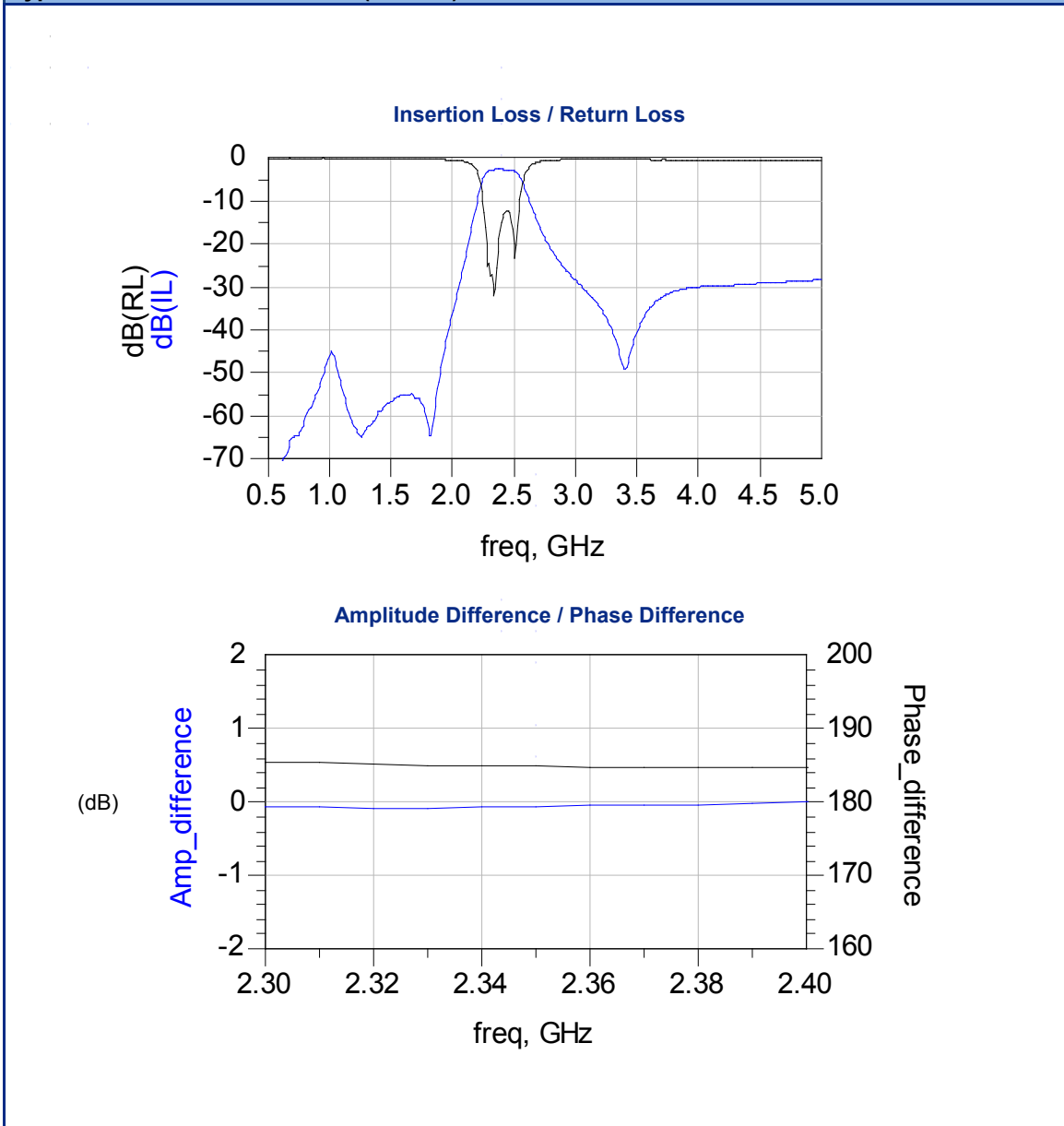
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Typical Electrical Performance (T=25°C)



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