

"High Frequency Ceramic Solutions"

2.35GHz Balun/Filter Combination

P/N 2345FB39A0050

Detail Specification: 08/14/07

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General Specifications

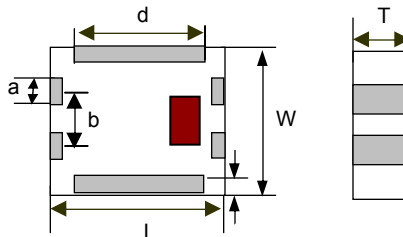
Part Number	2345FB39A0050
Frequency (MHz)	2300 - 2390
Unbalanced Impedance	50 Ω
Balanced Impedance	50 Ω
Insertion Loss	3.2 dB max.
Return Loss	11.73 dB min.
Phase Difference	180° $\pm$ 10
Amplitude Difference	1.5 dB max.

Attenuation (dB)	30 min. @ 766~797MHz
	20 min. @ 1532~1594MHz
	12 min. @ 2110~2170MHz
	29 min. @ 3066~3186MHz
	28 min. @ 3833~3983MHz
Operating + Storage Temp.	-40 to +85°C
Reel Quantity	3000
Power Capacity	1 watt max.
MSL	2 *

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

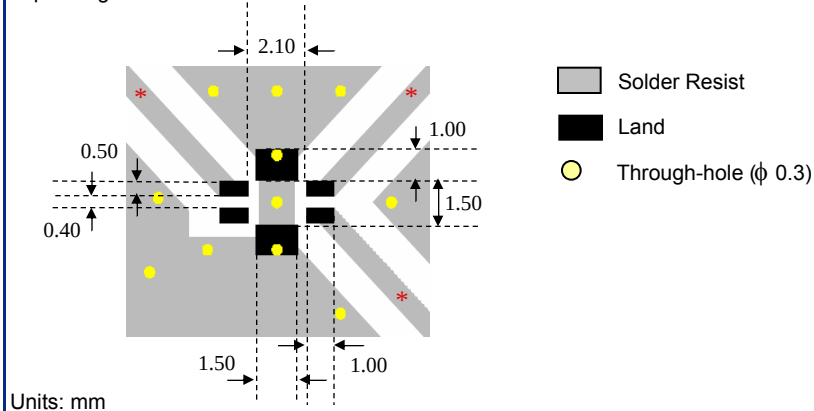
Mechanical Dimensions

	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

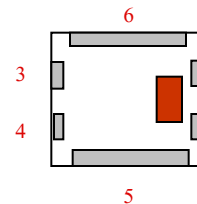
* Line width should be designed to match specified characteristic impedance, depending on PCB material and thickness.



Units: mm

Terminal Configuration

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



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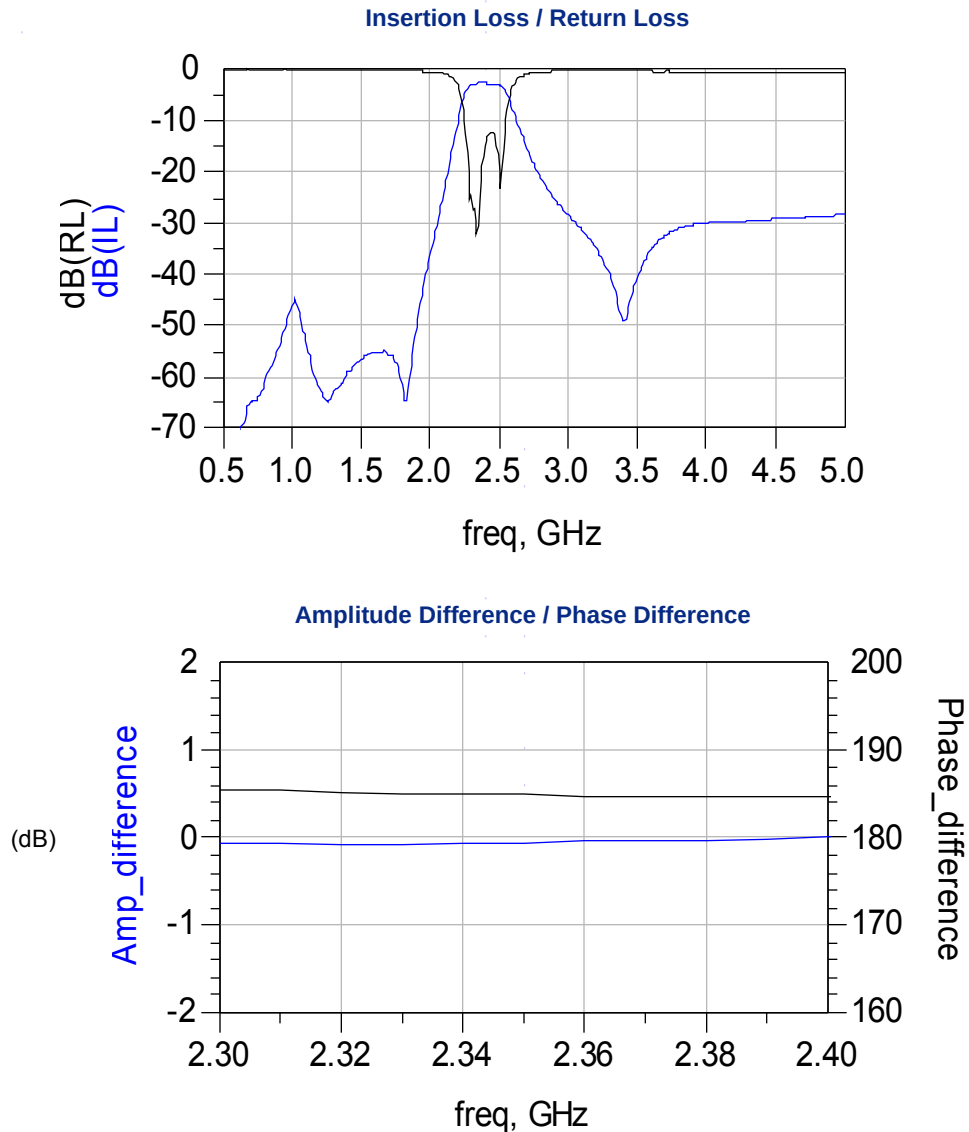
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Typical Electrical Performance (T=25°C)



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