



**THE DATASHEET OF**  
**2345FB39A0050E**



# "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	Attenuation (dB)	30 min.@ 766~797MHz
Frequency (MHz)	2300 - 2390		20 min.@1532~1594MHz
Unbalanced Impedance	50 Ω		12 min.@2110~2170MHz
Balanced Impedance	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° ± 10	Reel Quantity	3000
Amplitude Difference	1.5 dB max.	Power Capacity	1 watt max.
MSL			2 *

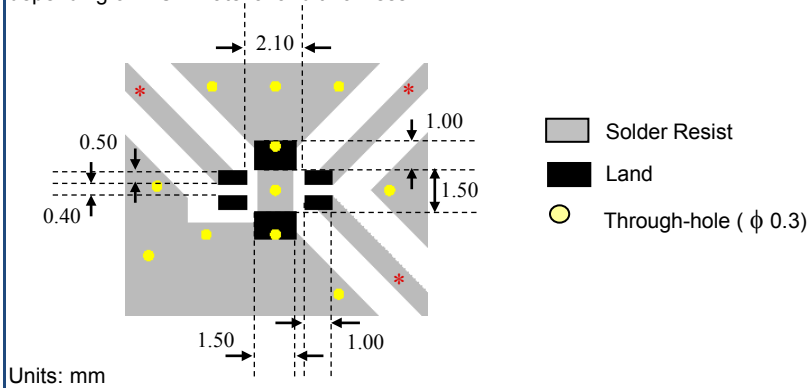
\*1 yr shelf life in bag; 1 week shelf life out of bag; Vacuum reseal unused reel

### Mechanical Dimensions

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

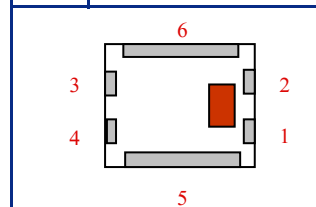
### Mounting Considerations

\* 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



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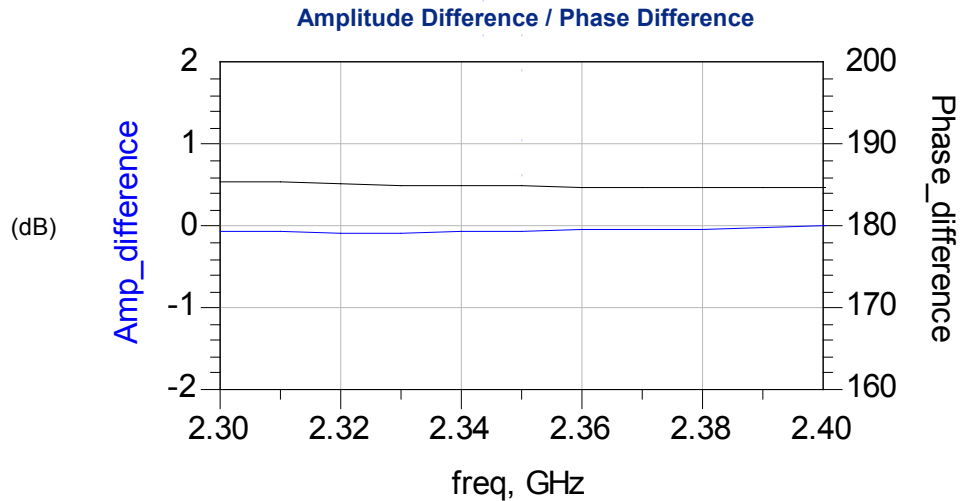
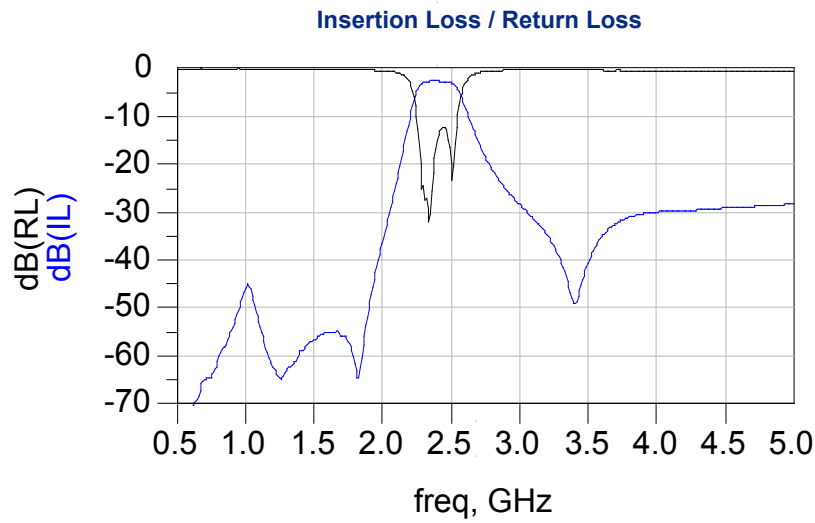
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## Typical Electrical Performance (T=25°C)





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