

"High Frequency Ceramic Solutions"

2.5 GHz Balun/Filter Combination

P/N 2500FB39A0050

Detail Specification: 02/09/11

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General Specifications

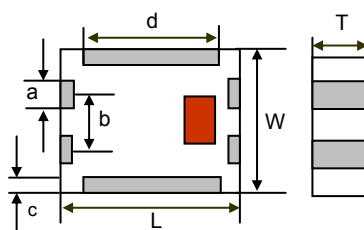
Part Number	2500FB39A0050
Frequency (MHz)	2300 - 2700
Unbalanced Impedance	50 Ω
Balanced Impedance	50 Ω
Insertion Loss	3.0 dB max.
Return Loss	9.5 dB min.
Phase Difference	180° $\pm$ 10
Amplitude Difference	2.0 dB max.

*12 months in vacuum sealed bag and 1 week after

Attenuation (dB)	40 min.@ 766~960MHz
	30 min.@1533~1800MHz
	20 min.@1800~1900MHz
	5 min.@ 2110~2170MHz
	25 min.@ 3066~3600MHz
	25 min.@ 3833~4500MHz
Reel Quantity	3000
Power Capacity	1 watt max.
Operating Temperature	-40 to +85°C
Storage Temperature	+5 ~ +35°C, Humidity 45~75%RH, 12 mos. Max*

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

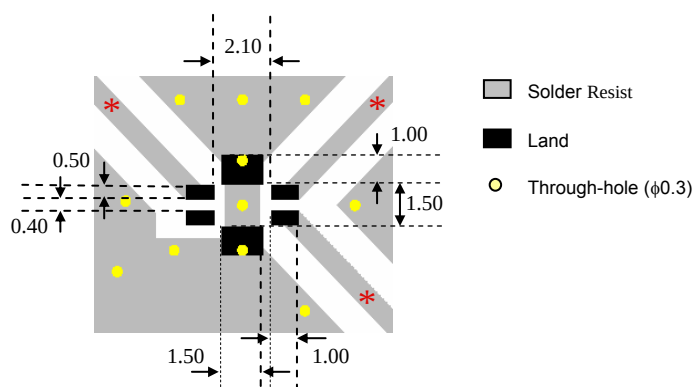


Terminal Configuration

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

Mounting Considerations

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



Units: mm

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4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

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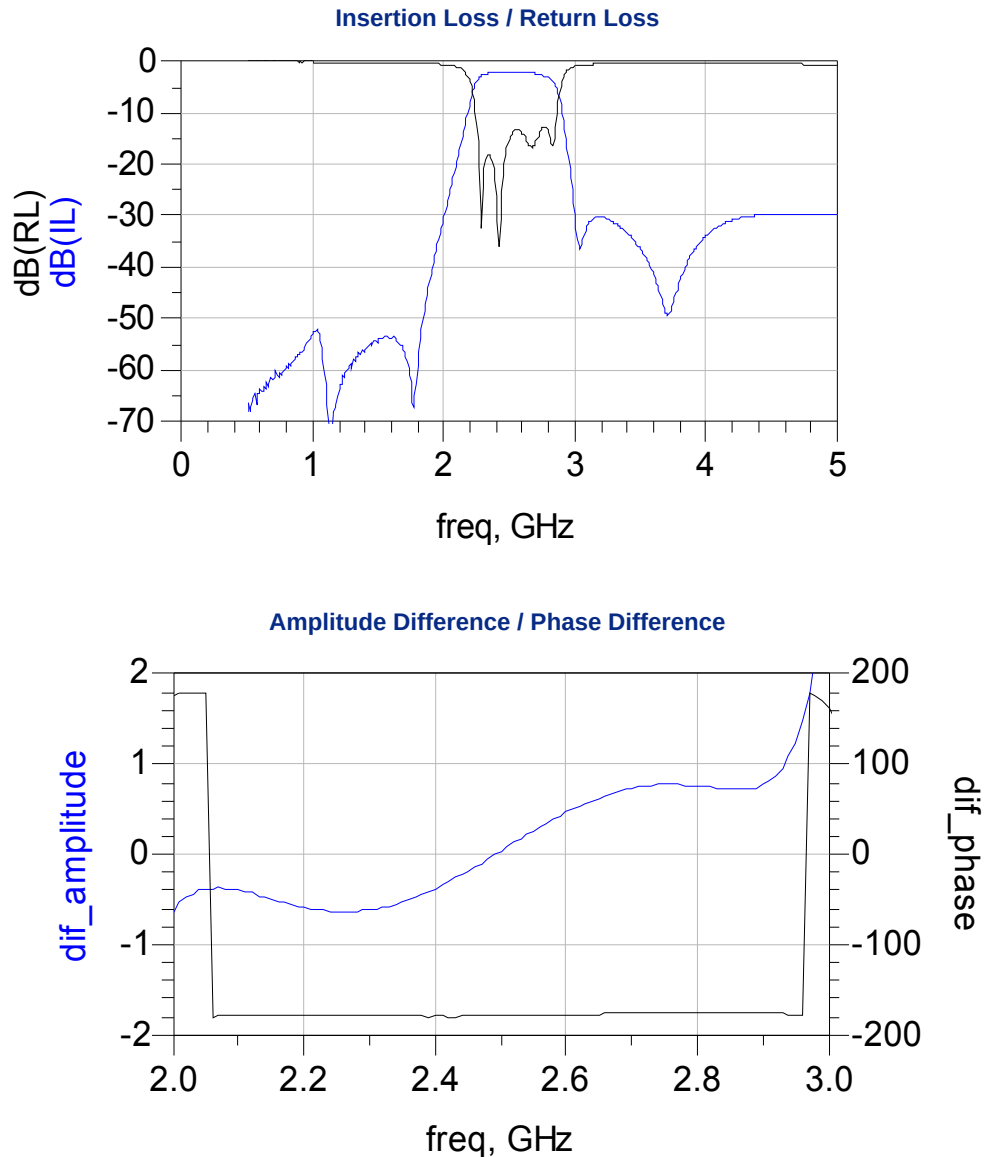
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Typical Electrical Performance (T=25°C)



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