



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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"High Frequency Ceramic Solutions"

Preliminary

2.5 GHz Impedance Matched Balun-BPF Integrated Passive

P/N 2500FB16A0400

Detail Specification: 05/13/2011

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General Specifications

Part Number	2500FB16A0400
Frequency (MHz)	2300 - 2690
Unbalanced Impedance	50 Ω
Balanced Impedance	(50 Ω + 2.4nH) PMB8763 Infineon/Intel Chipset
Insertion Loss	3.8 dB max.
Return Loss	9.5 dB min.
Phase Difference	180° ± 10
Amplitude Difference	1.0 dB max.
Power Capacity	0.5 W max.
Reel Quantity	4000

Attenuation (dB)	15 min.@ DC~800MHz
	35 min.@ 800~960MHz
	15 min.@ 960~1700MHz
	30 min.@ 1700~1900MHz
	25 min.@ 1900~1980MHz
	30 min.@ 4900~5900MHz
15 min.@ 5900~7500MHz	
Operating Temp	-40 to +85°C
Storage Temp*	+5 ~ +35°C, Humidity: 45~75%RH, 12 mos. Max

*1 yr shelf life in bag; 1 week(168hrs) shelf life out of bag, cumulative. Reseal after use. Go to:

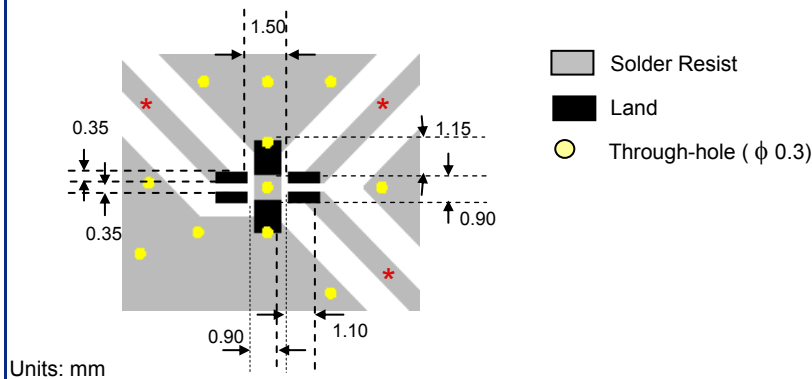
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Mechanical Dimensions

	In	mm
L	0.079 ± 0.006	2.00 ± 0.15
W	0.059 ± 0.006	1.50 ± 0.15
T	0.035 ± 0.004	0.90 ± 0.10
a	0.012 ± 0.004	0.30 ± 0.10
b	0.028 ± 0.006	0.70 ± 0.15
c	0.010 ± 0.006	0.25 ± 0.15
d	0.031 ± 0.006	0.80 ± 0.15

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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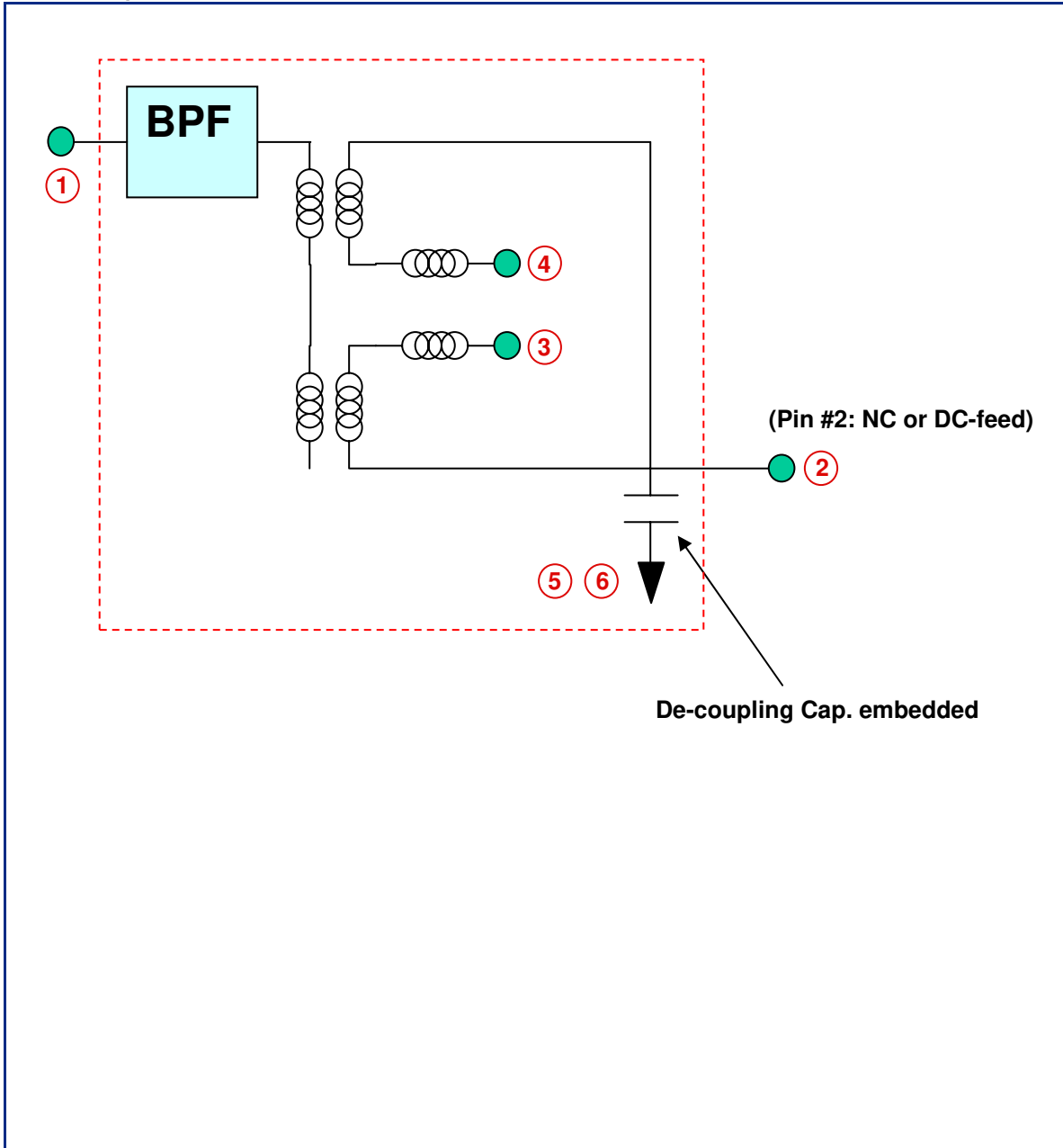


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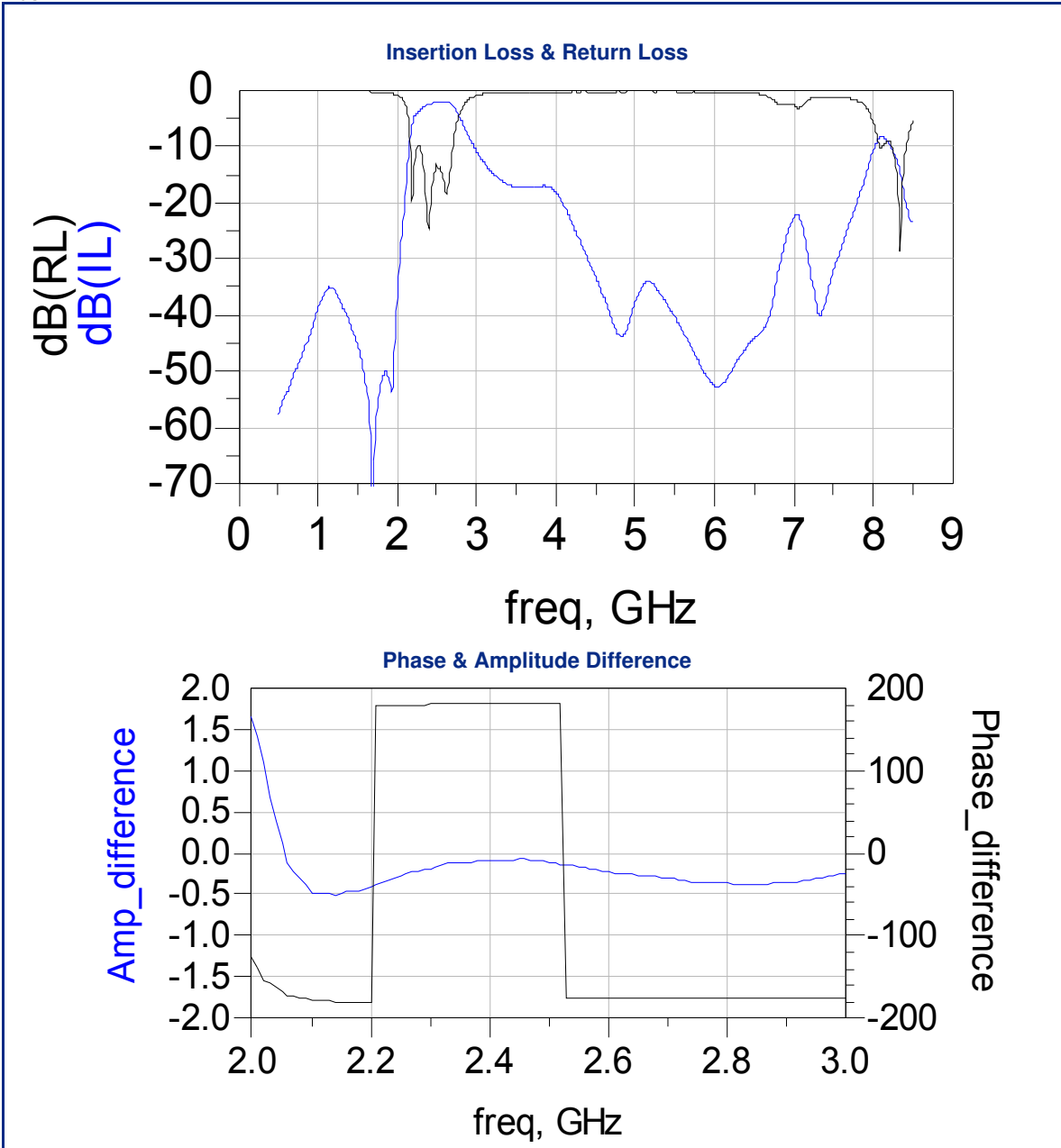
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Electrical Specifications



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Typical Electrical Performance (T=25°C)



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