

# High Frequency Ceramic Solutions

## 2345 MHz Balun / Filter Combination

P/N 2345FB16A0100

Detail Specification: 12/15/09

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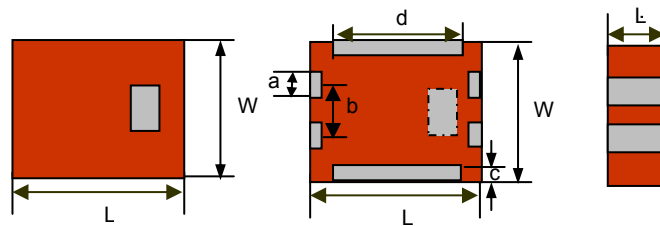
### General Specifications

Part Number	2345FB16A0100
Frequency (MHz)	2300-2390
Unbalanced Impedance	50 $\Omega$
Balanced Impedance	100 $\Omega$
Insertion Loss	2.8 dB max.
Return Loss	9.5 dB min.
Phase Difference	180° $\pm$ 10
Amplitude Difference	1.0 dB max.

Attenuation (dB)	40 min.@760 ~ 800MHz
	30 min.@1500 ~ 1600MHz
	14 min.@3050 ~ 3200MHz
	23 min.@3800 ~ 4000MHz
Operating and Storage Temp.	-40 to +85°C
Reel Quantity	4,000
Power Capacity	0.5 watt max.

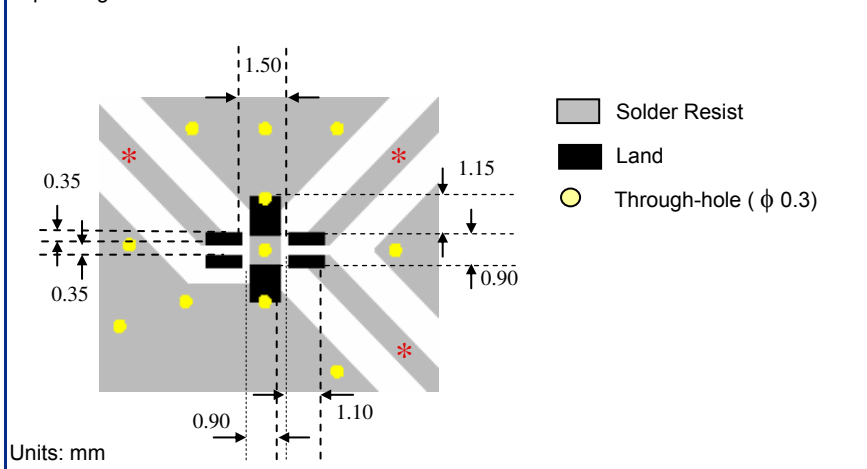
### Mechanical Dimensions

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



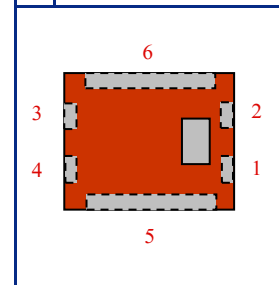
### Mounting Considerations

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



### Terminal Configuration

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



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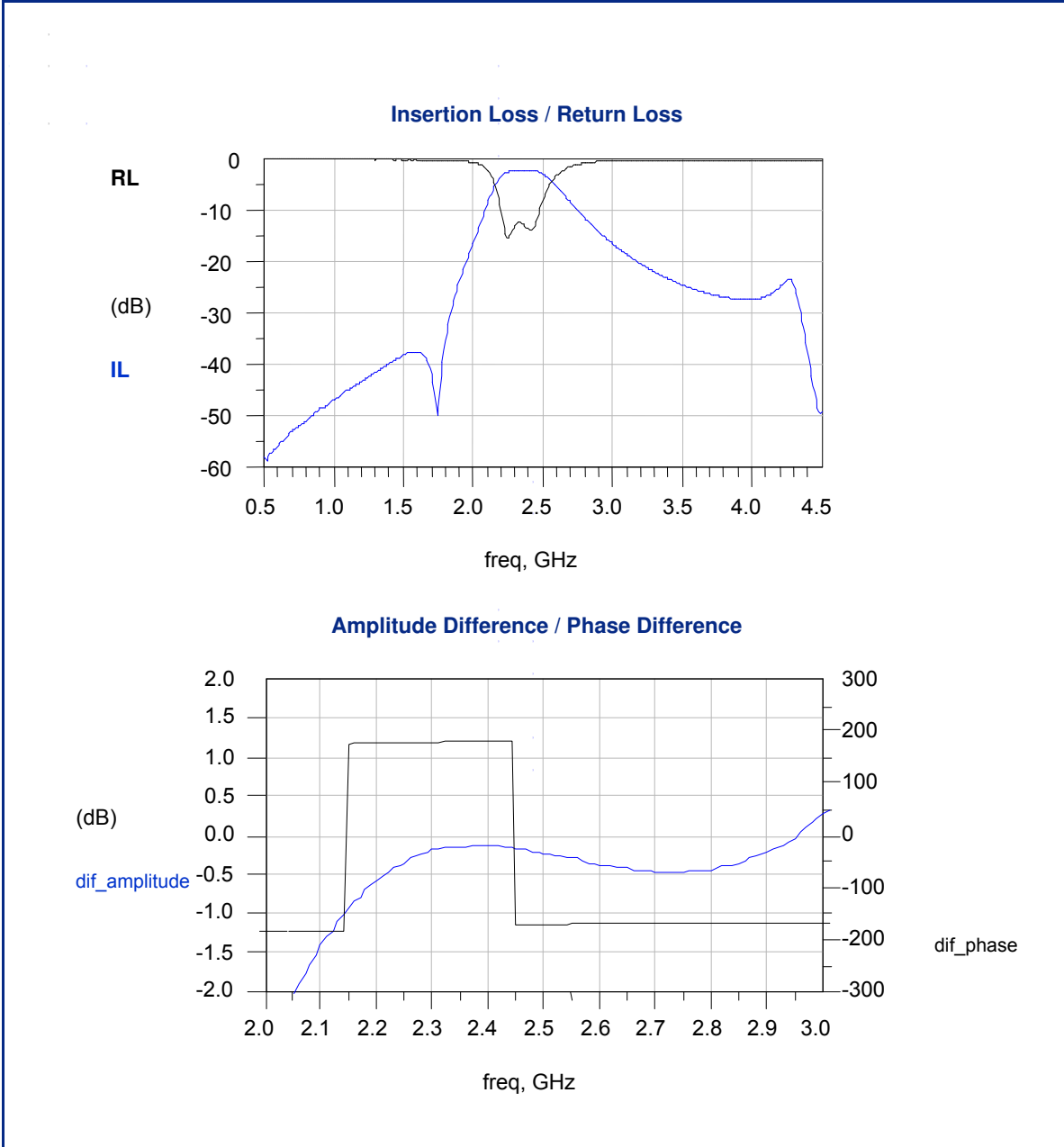
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## Typical Electrical Performance (T=25°C)



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