

"High Frequency Ceramic Solutions"

Preliminary

2.6 GHz 1:2 Balun/Filter Combination

P/N 2595FB16A0100

Detail Specification: 07/15/09

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General Specifications

Part Number	2595FB16A0100
Frequency (MHz)	2300 - 2690
Unbalanced Impedance	50 Ω
Balanced Impedance	100 Ω
Insertion Loss	2.5 dB max.
Return Loss	9.5 dB min.
Phase Difference	180° \pm 10
Amplitude Difference	1.0 dB max.

Attenuation (dB)	14 min.@ 100~1800MHz
	14 min.@ 3400MHz
	30 min.@ 5000~5400MHz
	14 min.@ 7500~8000MHz
Power Capacity	0.5 W max.
Reel Quantity	4000
Operating Temp	-40 to +85°C
Storage Temp	+5 ~ +35°C, Humidity: 45~75%RH, 12 mos. Max

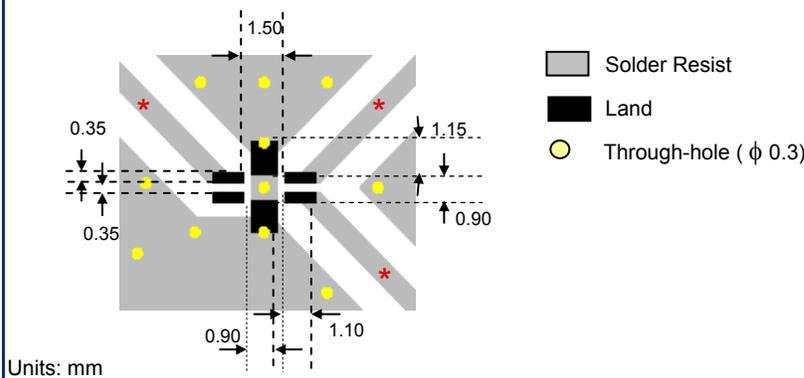
* - 1 yr shelf life in bag; 1 week shelf life out of bag;
Vacuum reseal unused reel

Mechanical Dimensions

	In	mm	Top View		Bottom View		Side View
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 specified 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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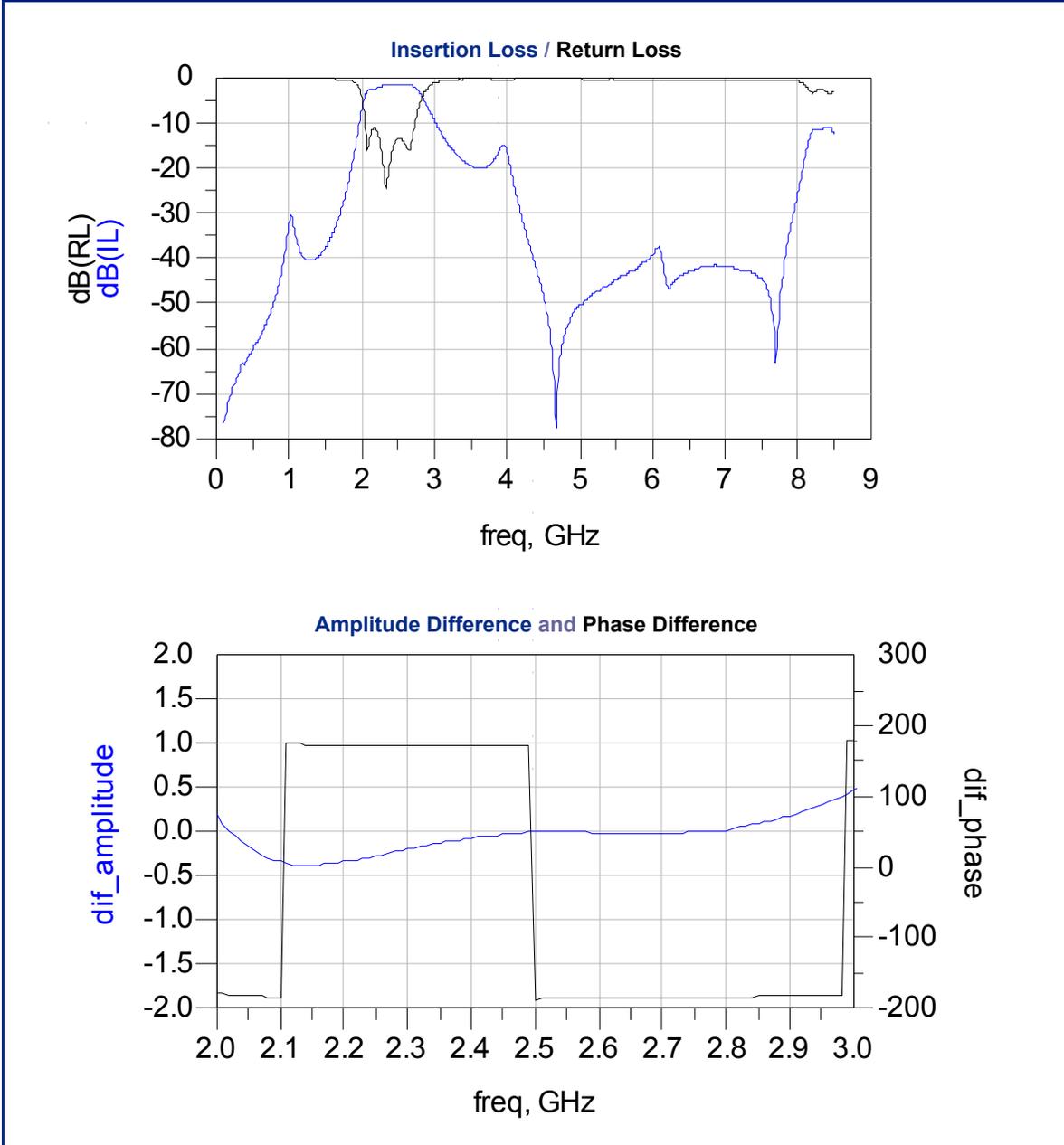


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Typical Electrical Performance (T=25°C)



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