

High Frequency Ceramic Solutions

863-928MHz ISM Balun-Filter Integrated passive	P/N 0896FB15A0100
Detail Specification: 11/10/2010	Page 1 of 2

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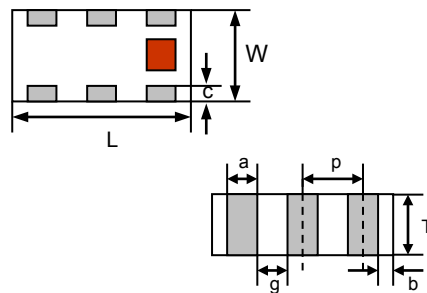
General Specifications	
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Part Number	0896FB15A0100	Attenuation (dB)	30 min.@1726~1856MHz
Frequency (MHz)	863 - 928		30 min.@2589~2784MHz
Unbalanced Impedence	50 Ω		30 min.@3452~3712MHz
Balanced Impedence	100 Ω	Power Rating	1W max.
Insertion Loss	1.5 dB max.	Reel Quantity	4000
Return Loss	11.7 dB min.	Operating Temp.	-40 to +85 °C
VSWR @ BW	1.7 max.	Storage Conditions	+5 to +35°C, RH 45 to 75%
Phase Difference	180° ± 15	Storage Period	12 mos. max.*
Amplitude Difference	2.0 dB max.	* - 1 yr shelf life in bag; 1 week shelf life out of bag; Vacuum resealed	

* - 1 yr shelf life in bag; 1 week shelf life out of bag; Vacuum reseal unused reel. More info: www.johansontechnology.com/silverleads

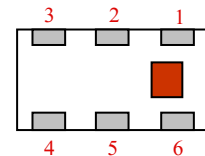
Mechanical Dimensions

	ln	mm
L	0.079 ± 0.008	2.00 ± 0.20
W	0.049 ± 0.008	1.25 ± 0.20
T	0.028 ± 0.004	0.70 ± 0.10
a	0.012 ± 0.004	0.30 ± 0.10
b	0.008 ± 0.004	0.20 ± 0.10
c	0.012 +.004/- .008	0.30 +0.1/-0.2
g	0.014 ± 0.004	0.35 ± 0.10
p	0.026 ± 0.002	0.65 ± 0.05



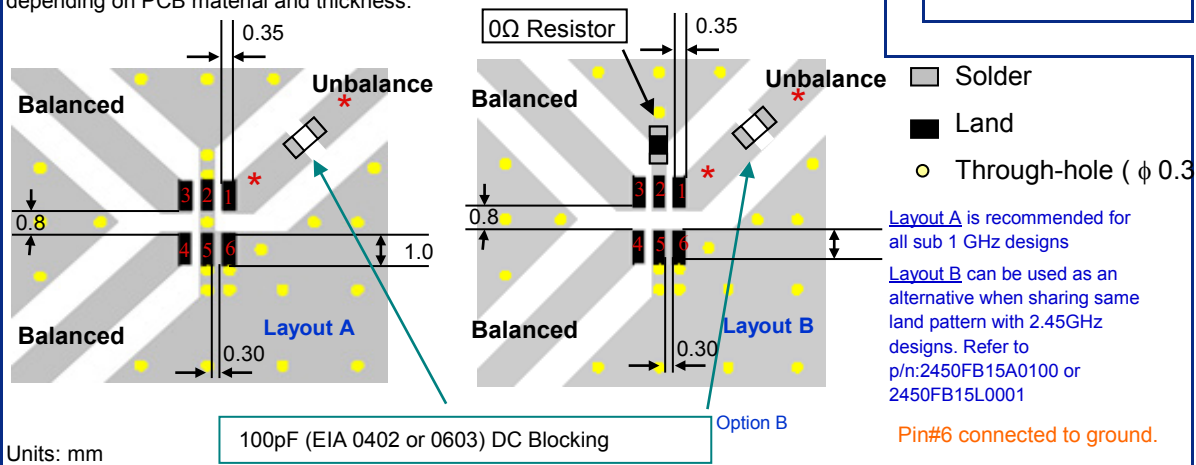
Terminal Configuration

No.	Function
1	Unbalanced Port
2	GND
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.



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Preliminary

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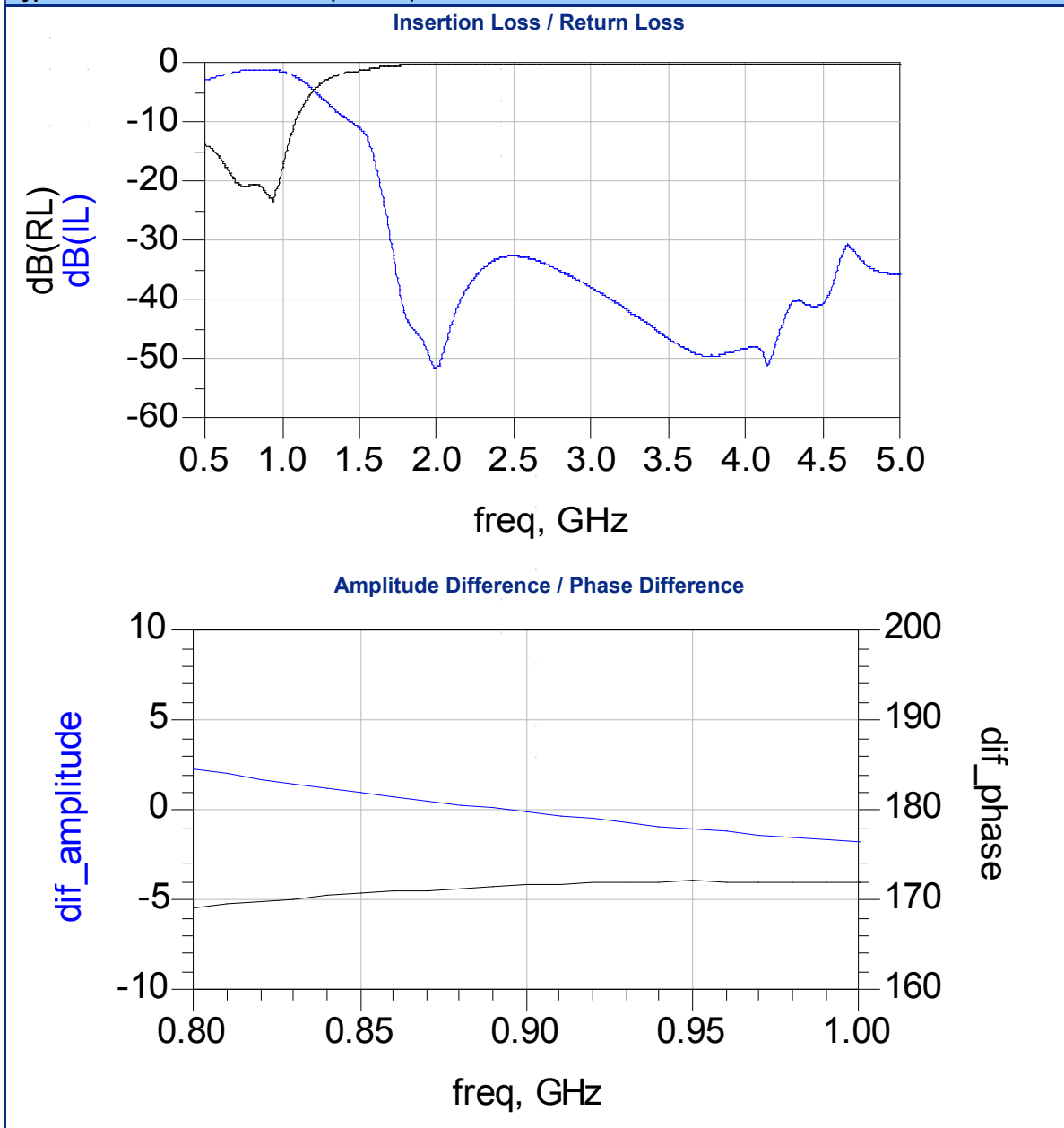
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Typical Electrical Performance (T=25°C)



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