

"High Frequency Ceramic Solutions"

5.4 GHz Filter Balun Combination	P/N 5400FB15A0100
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General Specifications	
Part Number	5400FB15A0100
Frequency (MHz)	4900-5875
Unbalanced Impedence	50 Ω
Balanced Impedance	100 Ω
Insertion Loss	2 dB max.
Return Loss	9.5 db min.
Phase Difference (degree)	180 ± 15
Amplitude Difference	2.0 dB max.

Attenuation (db)	30 min.@3500MHz
Operating Temperature	-40 to +85°C
Storage Temperature	+5 to +35°C, Humidity 45~75%RH, 12 mos. Max
Input Power	2 Watt max.
Reel Quantity	4,000

Part Number Explanation				
P/N Suffix	Packing Style	Bulk	Suffix = S	eg. 5400FB15A0100S
		T & R	Suffix = E	eg. 5400FB15A0100E
	Termination style	100% Tin	Suffix = None	eg. 5400FB15A0100 (E or S)
	Evaluation Board		5400FB15A0100-EBSMA	

Mechanical Dimensions		
	In	mm
L	0.079 ± 0.008	2.00 ± 0.20
W	0.049 ± 0.008	1.25 ± 0.20
T	0.037 ± 0.004	0.95 ± 0.10
a	0.012 ± 0.004	0.30 ± 0.10
b	0.008 ± 0.004	0.20 ± 0.10
c	0.012 + 0.004 / -0.008	0.30 + 0.10 / -0.20
g	0.014 ± 0.004	0.35 ± 0.10
p	0.026 ± 0.002	0.65 ± 0.05

No.	Function
1	Unbalanced Port (IN)
2	NC or DC Feed
3	NC
4	GND
5	Balanced Port
6	GND
7	Balanced Port
8	GND

Mounting Considerations	
LEGEND Solder Land Through-hole (φ0.3) Unit : mm	* Line width should be designed to match 50Ω characteristic impedance, depending on PCB material and thickness.

LEGEND	
	Solder
	Land
	Through-hole (φ0.3)
Unit : mm	



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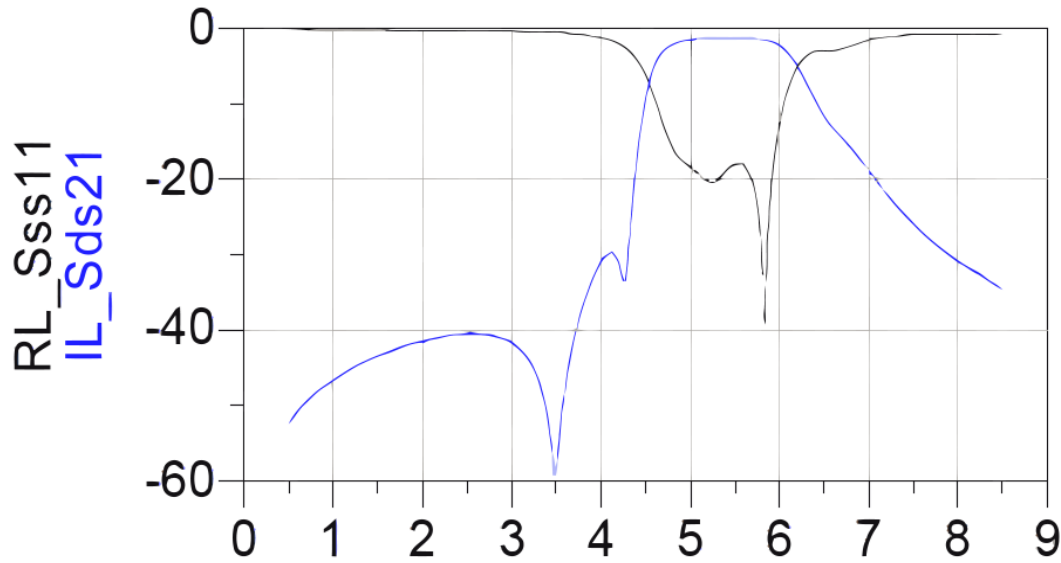
P/N 5400FB15A0100

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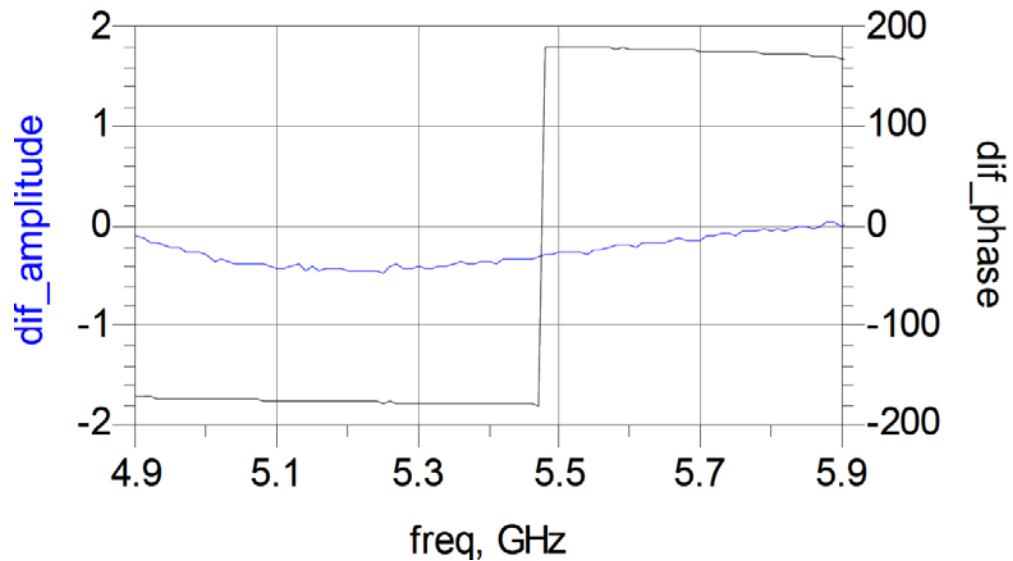
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Typical Electrical Performance (T=25°C)

Insertion and Return Loss



Amplitude Difference / Phase Difference



Johanson Technology, Inc. reserves the right to make design changes without notice. Please confirm the specifications and delivery conditions when placing your order. All sales are subject to Johanson Technology, Inc. terms and conditions.



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