2.45 GHz Harmonic Filter-Balun Optimized for AT86RF230/231 and ATmega128RFA1 P/N 2450FB15L0001

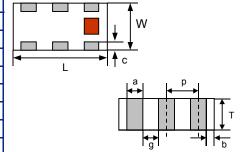
Detail Specification: 4/27/2012 Page 1 of 4

General Specifications				
Part Number	2450FB15L0001			
Frequency (MHz)	2400~2500			
Unbalanced Impedance	50 Ω			
Balanced Impedance	Impedance match to AT86RF230/231 and ATmega128RFA1			
Insertion Loss	1.5 dB max.			
Return Loss	9.5 dB min.			
Phase Difference	180° ± 10			
Amplitude Difference	2.0 dB max.			

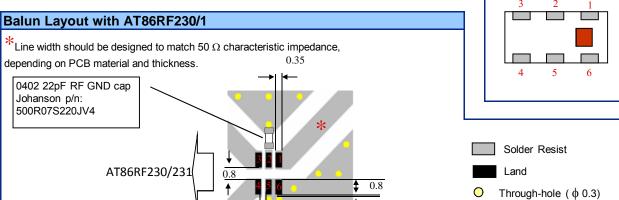
20 min.@ 4800~5000MHz	
20 min.@ 7200~7500MHz	
20 min.@ 4800~5000MHz	
-40°C to +125°C	
+5 to +35°C, Humidity: 45- 75%RH, 18 mos. Max	
2 Watts max. (CW)	
4,000	

* 18 months in vacuum sealed bag and 1 week after opened. For more info go to www.johansontechnology.com/silverleads

Mechanical Dimensions							
	ln	mm					
L	0.079 ± 0.004	2.00 ± 0.10					
W	0.049 ± 0.004	1.25 ± 0.10					
Т	0.031 ± 0.004	0.80 ± 0.10					
а	0.012 ± 0.004	0.30 ± 0.10					
b	0.008 ± 0.004	0.20 ± 0.10					
С	0.012 +.004/008	0.30 +0.1/-0.2					
g	0.014 ± 0.004	0.35 ± 0.10					
р	0.026 ± 0.002	0.65 ± 0.05					



Ter	Terminal Configuration				
No.	Function				
1	Unbalanced Port				
2	DC Feed + RF GND				
3	Balanced Port				
4	Balanced Port				
5	GND				
6	GND				



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0.30

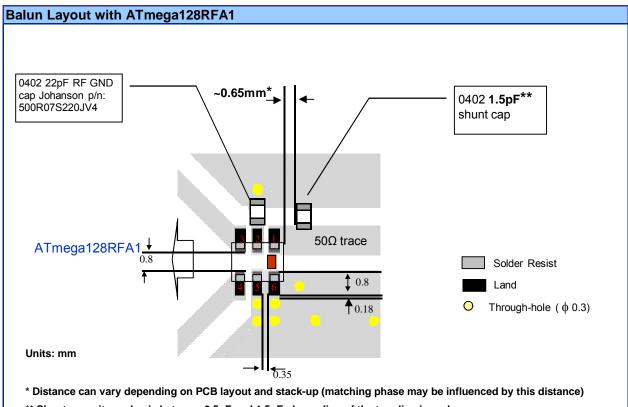


Units: mm

Units: mm

2.45 GHz Harmonic Filter-Balun Optimized for AT86RF230/231 and ATmega128RFA1 P/N 2450FB15L0001

Detail Specification: 4/27/2012 Page 2 of 4



^{**} Shunt capacitor value is between 0.5pF and 1.5pF, depending of the true line impedance

Part Numbering Scheme

P/N	Packaging	Bulk	Suffix = S	Eg. 2450FB15L0001S
	Style	T&R	Suffix = E	Eg. 2450FB15L0001E
	Termination Style	100% Tin	Suffix = None	Eg. 2450FB15L0001(E or S)
	Evaluation Board	2450FB15L0001-EB1SMA		

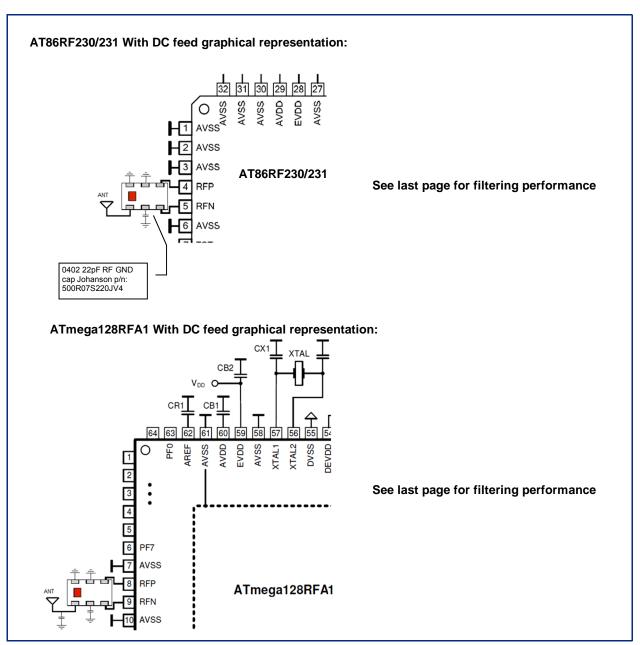
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2.45 GHz Harmonic Filter-Balun Optimized for AT86RF230/231 and ATmega128RFA1 P/N 2450FB15L0001

Detail Specification: 4/27/2012 Page 3 of 4



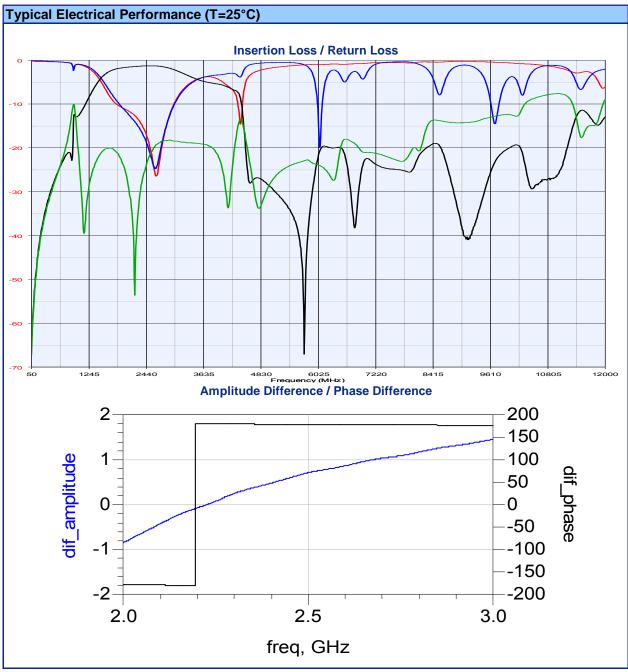
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Detail Specification: 4/27/2012 Page 4 of 4



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