914.50 MHz SAW Filter

- Ideal for Wireless Audio Applications in 914.50 MHz
- Low-Loss, Coupled-Resonator Quartz Design
- Simple External Impedance Matching
- Rugged, Hermetic, Low Profile F-11 Package

SF914C

Absolute Maximum Rating (Ta=25°C)						
Parameter		Rating	Unit			
CW RF Power Dissipation	Р	+10	dBm			
DC Voltage VDC Between Any Two Pins	V _{DC}	±30	V			
Operating Temperature Range	T _A	-10 ~ +60	°C			
Storage Temperature Range	$T_{ m stg}$	-40 ~ +85	°C			

Electronic Characteristics					
Parameter		Minimum	Typical	Maximum	Unit
Nominal Frequency (at 25°C) (Center frequency between 3dB point)	f _C	NS	914.50	NS	MHz
Insertion Loss	IL	-	4.0	5.5	dB
Passband Ripple		-	1.5	-	dB
3dB Passband		12.0	13.0	-	MHz
Absolute Attenuation					
DC 884.50 MHz α _{rel} 944.50 1114.5 MHz		40	45	-	dB
		40	50	-	dB
Frequency Aging Absolute Value during the First Year	fA	-	-	10	ppm/yr
DC Insulation Resistance Between any Two Pins		1.0	-	-	MΩ
Input / Output Impendance (nominal)		-	50//0	-	Ω//pF

NS = Not Specified

Notes:

- 1. The frequency f_C is defined as the midpoint between the 3dB frequencies.
- 2. Unless noted otherwise, all measurements are made with the filter installed in the specified test fixture that is connected to a 50Ω test system with VSWR \leq 1.2:1. The test fixture L and C are adjusted for minimum insertion loss at the filter center frequency, f_c . Note that insertion loss, bandwidth, and passband shape are dependent on the impedance matching component values and quality.
- 3. Unless noted otherwise, specifications apply over the entire specified operating temperature range.
- 4. The specifications of this device are based on the test circuit shown above and subject to change or obsolescence without notice.
- All equipment designs utilizing this product must be approved by the appropriate government agency prior to manufacture or sale.
- Our liability is only assumed for the Surface Acoustic Wave (SAW) component(s) per se, not for applications, processes and circuits implemented within components or assemblies.
- 7. For questions on technology, prices and delivery please contact our sales offices or email to sales@vanlong.com.

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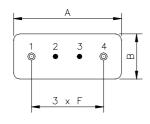
Fax: +86 10 6301 9167

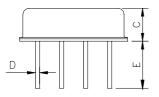
Email: sales@vanlong.com



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Package Dimensions (F-11)



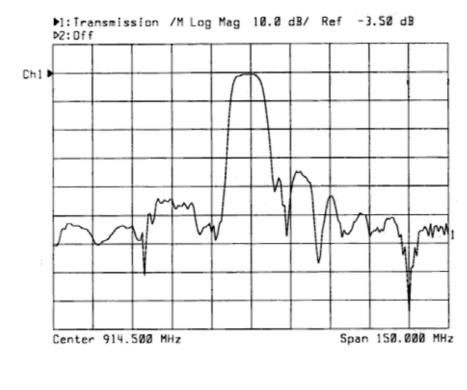


Marking

SF914C

Ink Marking Color: Black or Blue

Typical Frequency Response



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Electrical Connections

Terminals	Connection	
1	Input/Output	
2	Case Ground	
3	Case Ground	
4	Output/Input	

Package Dimensions

Dimensions	Nom. (mm)	Tol. (mm)
А	11.0	±0.3
В	4.5	±0.3
С	3.2	±0.3
D	0.45	±0.1
E	5.0	±0.5
F	2.54	±0.2

Test Circuit

