

Application

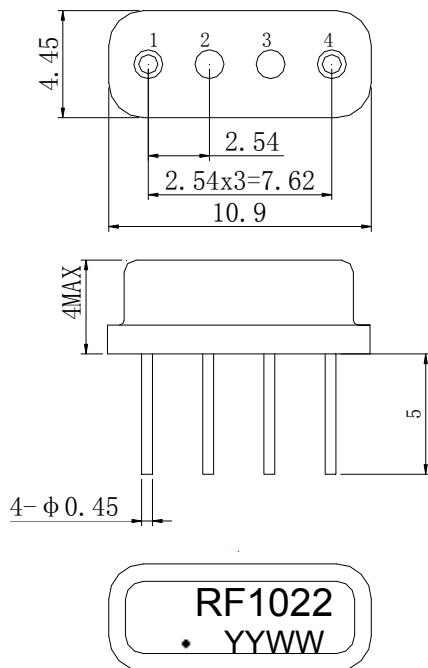
- Low-loss SAW component
- Low amplitude ripple
- Sharp rejections at both out-bands
- Usable passband 2.0 MHz

Features

- RoHS compatible
- Package size 10.9x4.45x5.00mm³
- Package Code SC04-06
- Electrostatic Sensitive Device(ESD)



Package Dimensions (Unit: mm)



Pin Configuration

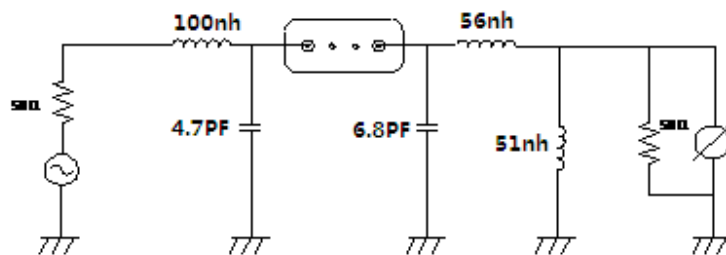
Pin No.	Description
1	Input
4	Output
2,3	Case Ground

Marking Description

RF	R	Manufacturer
	F	SAW Filter
1022	Part Number	
●	Pin 1	
YYWW	Year Code & Week Code	

*Fig: If the products produced in 06th week of 2015, The year code & week code is 1506.

Test Circuit (Bottom View)



Performance**Maximum Rating**

Item		Value	Unit
DC Voltage	V_{DC}	3	V
Operation Temperature	T	-40 ~ +85	°C
Storage Temperature	T_{stg}	-55 ~ +125	°C
RF Power Dissipation	P	15	dBm

Electronic Characteristics

Test Temperature: $25^{\circ}\text{C} \pm 2^{\circ}\text{C}$

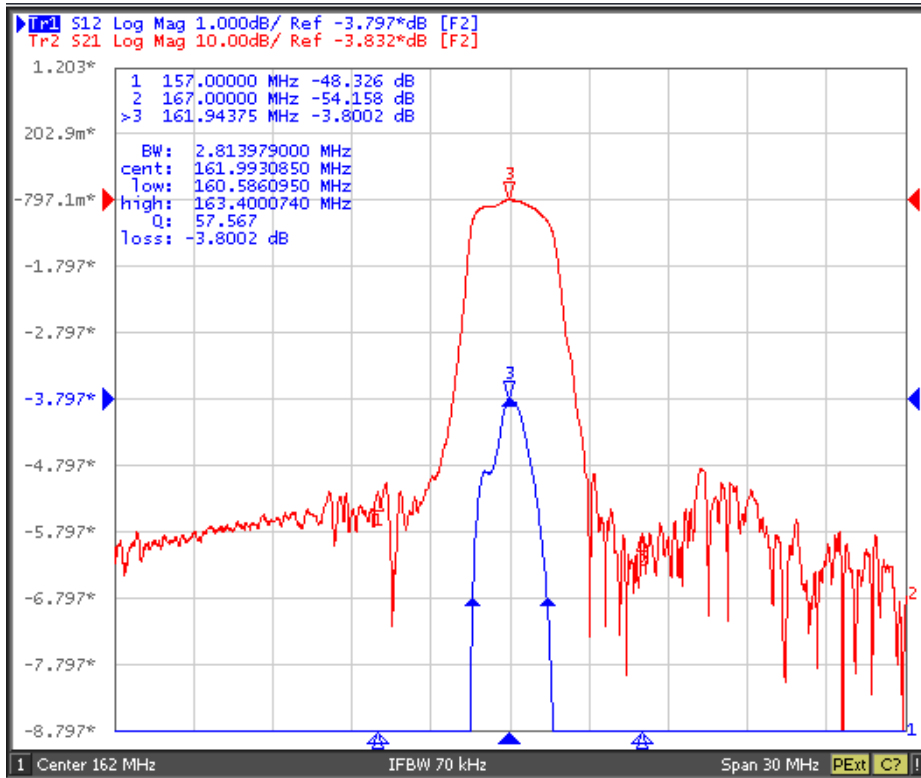
Terminating source impedance: 300Ω

Terminating load impedance: 300Ω

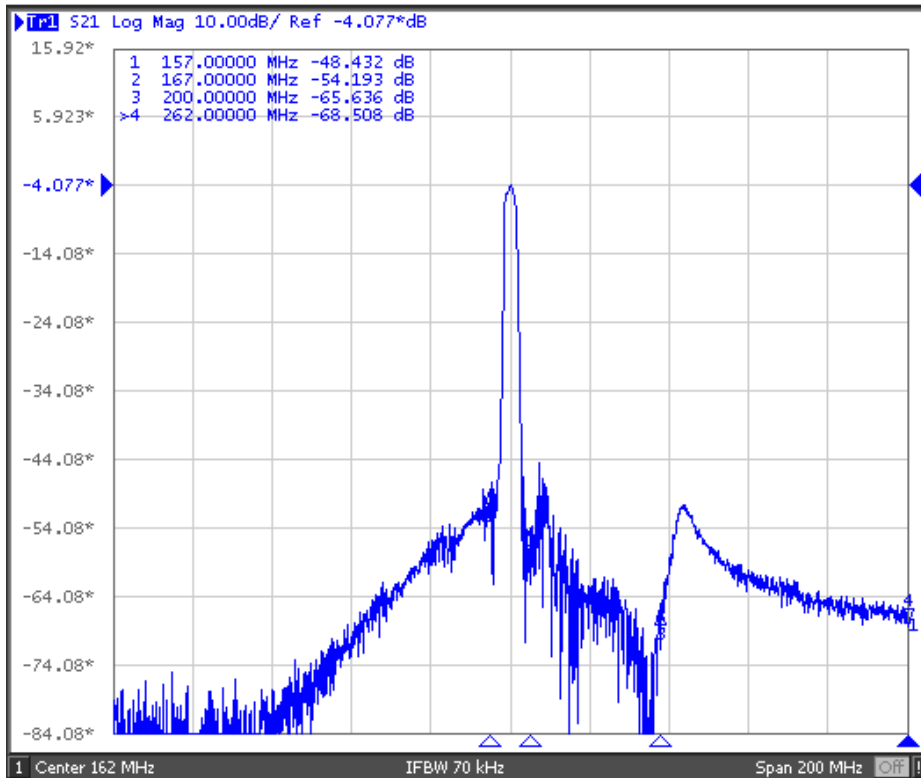
Item		Minimum	Typical	Maximum	Unit
Center Frequency	fc		162.00		MHz
Insertion Loss(min)	IL		3.8	5.0	dB
Amplitude Ripple (p-p) 161.00-163.00MHz	$\Delta\alpha$		2.0	3.0	dB
3dB Bandwidth	BW_{3dB}	2.0	2.8		MHz
Absolute Attenuation	α				
	DC-157.00MHz	35.0	43.0		dB
	167.00-200.00MHz	35.0	40.0		dB
	200.00-262.00MHz	40.0	45.0		dB

Frequency Characteristics

Frequency Response



Frequency Response (wideband)



Reliability (The SAW components shall remain electrical performance after tests)

Notes

1. As a result of the particularity of inner structure of SAW products, it easy to be breakdown by electrostatic, so we should pay attention to **ESD protect** in the test.
2. **Static voltage** between signal load and ground may cause deterioration and destruction of the component. Please avoid static voltage.
3. **Ultrasonic cleaning** may cause deterioration and destruction of the component. Please avoid ultrasonic cleaning.
4. Only leads of component may **be soldered**. Please avoid soldering another part of component.
5. There is a close relationship between the device's performance and **matching network**. The specifications of this device are based on the test circuit shown above. L and C values may change depending on board layout. Values shown are intended as a guide only.