

Application

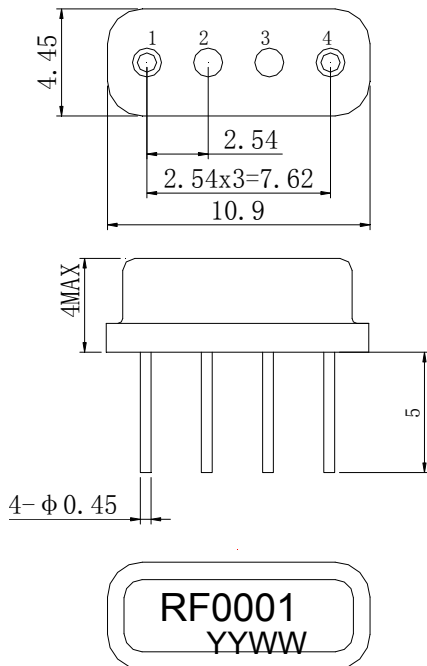
- Low-loss SAW component
- Low amplitude ripple
- Sharp rejections at both out-bands
- Usable passband 320 kHz

Features

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



Package Dimensions (Unit: mm)



Pin Configuration

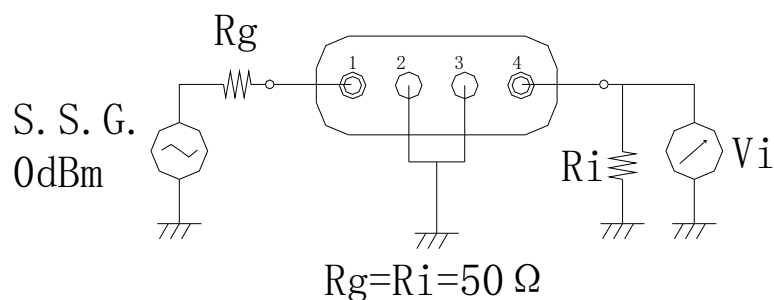
Pin No.	Description
1	Input
4	Output
2,3	Ground

Marking Description

R	Manufacturer
F	SAW Filter
0001	Part Number
YYWW	Year Code & Week Code

*Fig: If the products produced in 06th week of 2012,
The year code & week code is 1206.

Test Circuit



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

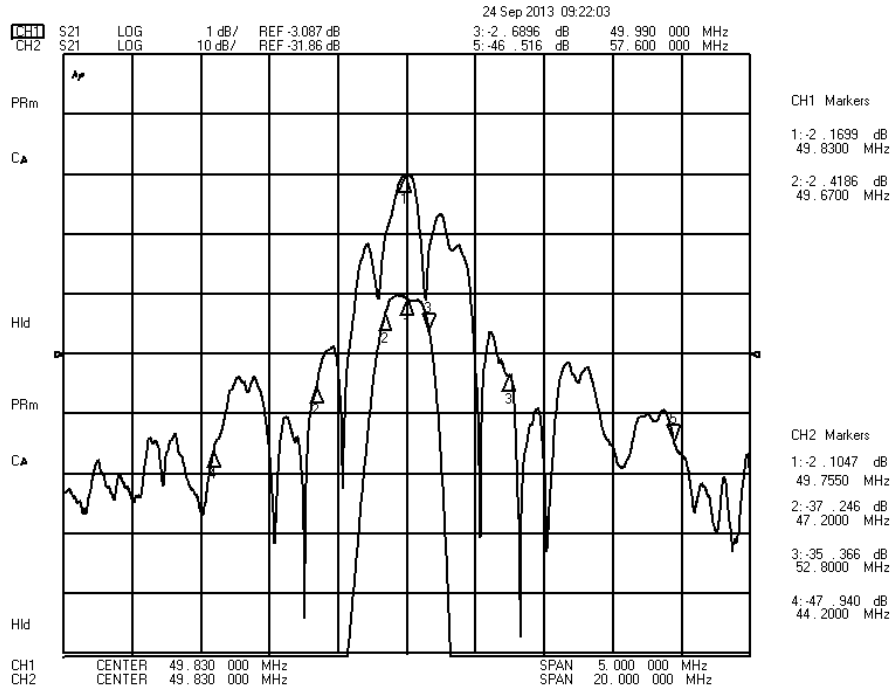
Terminating source impedance: 50Ω

Terminating load impedance: 50Ω

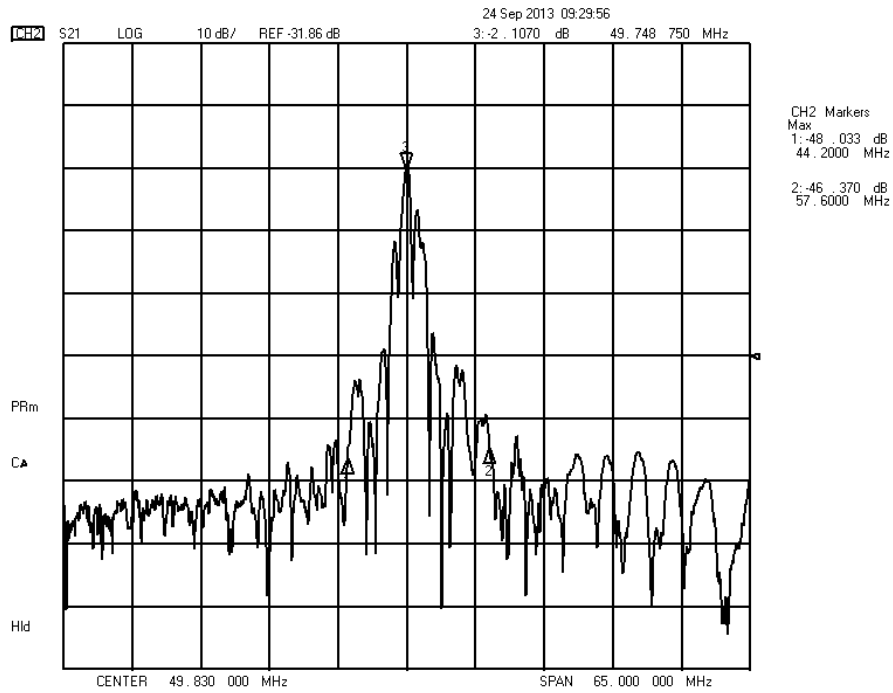
Item		Minimum	Typical	Maximum	Unit
Center Frequency	f_c		49.83		MHz
Insertion Loss(min)	IL		2.1	2.7	dB
Insertion Loss	49.67 - 49.99 MHz	IL	2.5	4.0	dB
Amplitude Ripple (p-p)	49.67 - 49.99 MHz	Δa	0.5	1.5	dB
3dB Bandwidth	BW_{3dB}		570	620	KHz
Absolute Attenuation	a				
	DC-32.20 MHz	45	50		dB
	32.20 - 43.40 MHz	40	42		dB
	43.40 - 47.20 MHz	30	35		dB
	55.30 - 57.60 MHz	30	35		dB
	57.60 - 82.30 MHz	40	42		dB

Frequency Characteristics

Frequency Response



Frequency Response (wideband)



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.