



APPROVAL SHEET

Approval Specification	Customer's Approval Certificate
TO: Part No.: Customer's Part No.:	Please return this copy as a certification of your approval Checked & Approved by: Date:

BEIJING ZHONGXUN SIFANG SCIENCE & TECHNOLOGY CO.,LTD.

Tel: +86-010-62968745
 Fax: +86-010-62973654
 E-mail: bjzxsf@bjzxsf.net
 Website: <http://www.bjzxsf.net>
 Add: NO.7 NieGeZhuang Rd,SuJiaTuo Town,
 HaiDian District,Beijing,P.R.China



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Prepared by:	郑宝琴
Checked by:	
Approved by:	

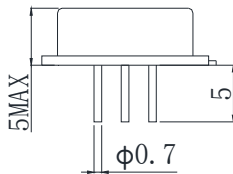
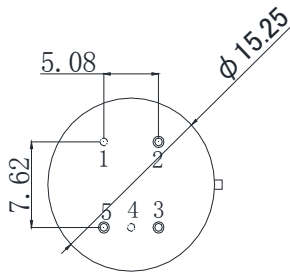
Application

- Low-loss SAW component
- Low amplitude ripple
- Sharp rejections at both out-bands
- Usable passband 600 KHz

Features

- **RoHS** compatible
- Package size $\phi 15.25 \times 5.00 \text{mm}^3$
- Package Code R15
- **Electrostatic Sensitive Device(ESD)**

Package Dimensions (Unit: mm)



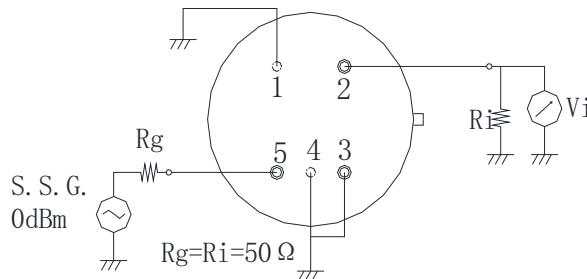
Pin Configuration

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

Marking Description

S	Trademark
F	SAW Filter
0356	Part Number
●	Pin 1
AXXXX	Year Code & Serial No.

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	10	dBm

Electronic Characteristics

Test Temperature: 25°C ± 2°C

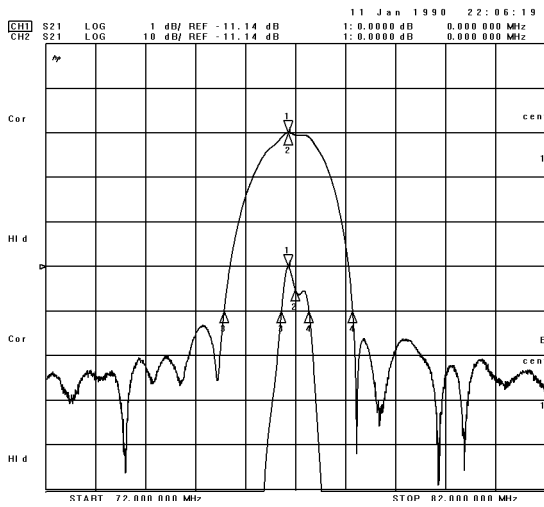
Terminating source impedance: 50Ω

Terminating load impedance: 50Ω

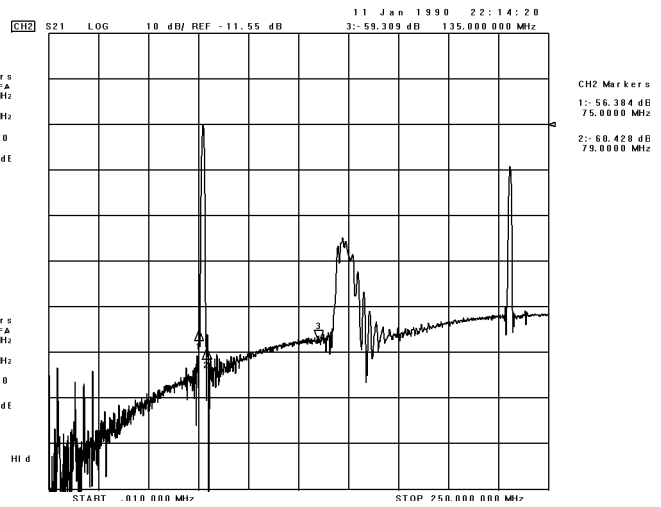
Item		Minimum	Typical	Maximum	Unit
Center Frequency	f _c	76.9	77.0	77.1	MHz
Insertion Loss(min)	IL		11.2	15.0	dB
3 dB Bandwidth	BW _{3dB}	600.0	864.0		KHz
40 dB Bandwidth	BW _{40dB}		2.6	3.0	MHz
Absolute Attenuation	α				
	DC -75.00 MHz	40.0	43.0		dB
	79.00-135.00MHz	40.0	45.0		dB

Frequency Characteristics

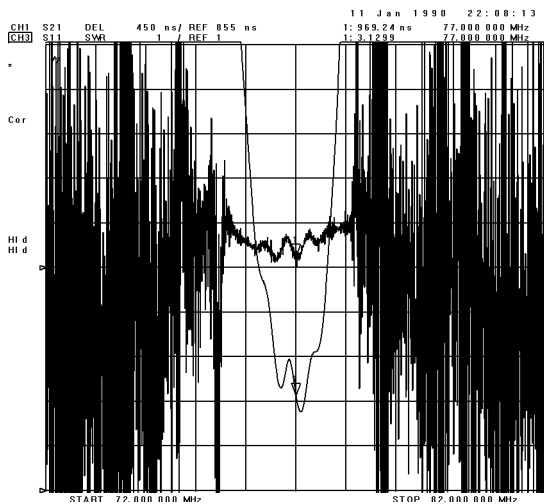
Frequency Response



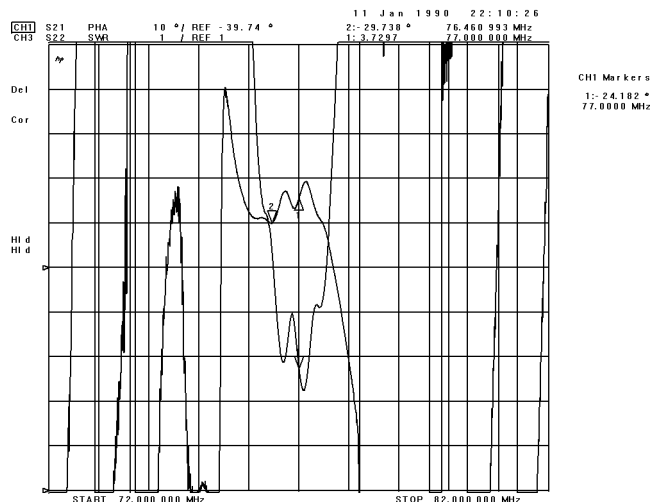
Frequency Response (wideband)



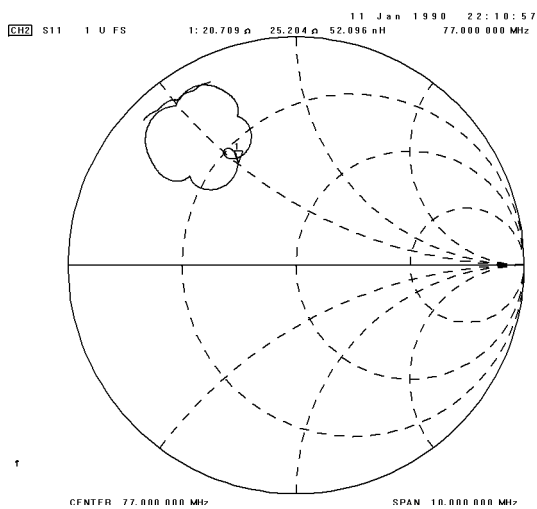
Delay Ripple & S11 VSWR



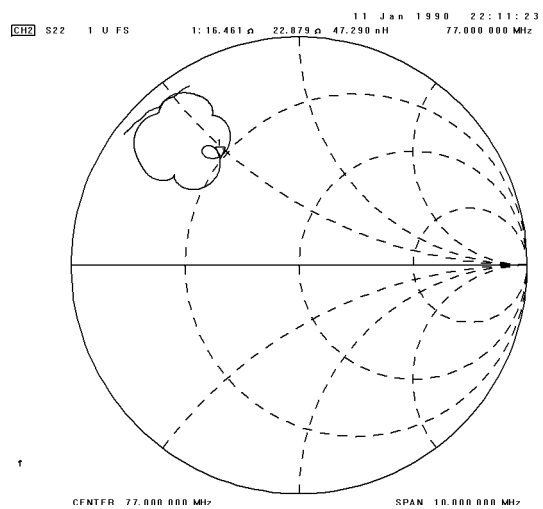
Phase Linearity & S22 VSWR



S11 Smith Chart



S22 Smith Chart



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.