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APPROVAL SHEET

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

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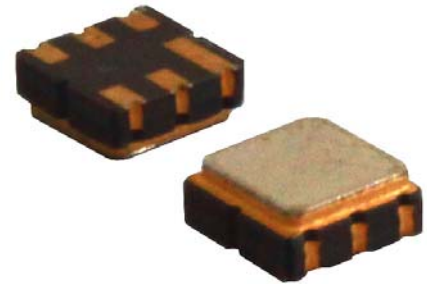


Part No.	:	SF9626
Pages	:	6
Date	:	2013/12/10
Revision	:	1.0

Prepared by:	
Checked by:	
Approved by:	

Application

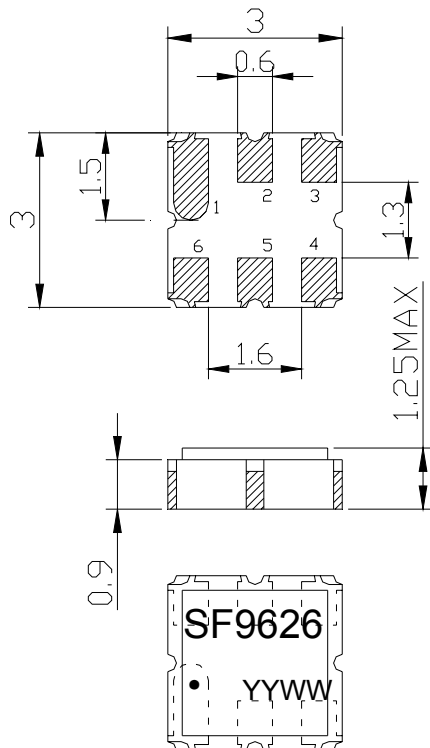
- Low-loss SAW component
- Low amplitude ripple
- Sharp rejections at both out-bands
- Usable passband 60.0 MHz



Features

- Ceramic Package for **Surface Mounted Technology (SMT)**
- **RoHS** compatible
- Package size 3.00x3.00x1.25mm³
- Package Code DCC6C
- **Electrostatic Sensitive Device(ESD)**

Package Dimensions (Unit: mm)



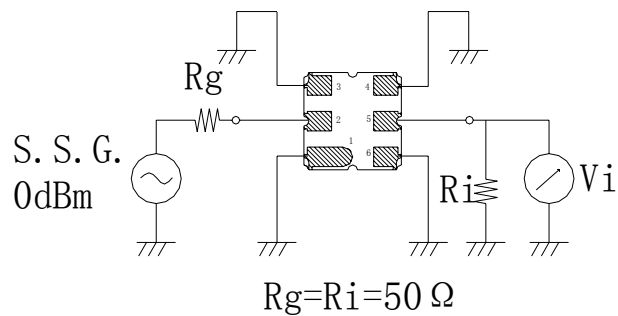
Test Circuit(Bottom View)

Pin Configuration

Pin No.	Description
2	Input
5	Output
1,3,4,6	Ground

Marking Description

S	Trademark
F	SAW Filter
9626	Part Number
●	Pin 1
YYWW	Year Code & Week Code



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

Terminating source impedance: 50Ω

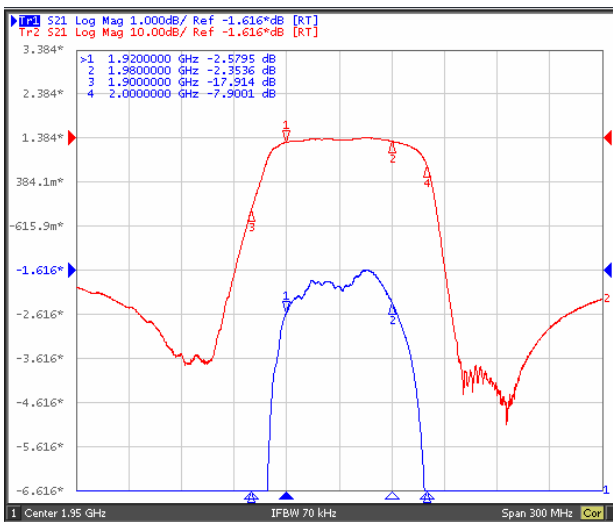
Terminating load impedance: 50Ω

Item		Minimum	Typical	Maximum	Unit
Center Frequency	f_c		1950.0		MHz
Insertion Loss(min)	IL		1.7	2.3	dB
Insertion Loss	IL		2.6	3.5	dB
Amplitude Ripple (p-p)	$\Delta\alpha$		1.0	2.0	dB
Group Delay Ripple	GDR		10.0	25.0	ns
Absolute Attenuation	α				
	DC - 1840.00 MHz	25.0	30.0		dB
	1840.00 - 1900.00 MHz	10.0	18.0		dB
	2000.00 - 2030.00 MHz	5.0	9.0		dB
	2030.00 - 2060.00 MHz	30.0	50.0		dB
	2060.00 - 4000.00 MHz	30.0	35.0		dB
	4000.00 - 5000.00 MHz	15.0	20.0		dB
Input VSWR	1920.00 - 1980.00 MHz		1.8:1	2.0:1	/

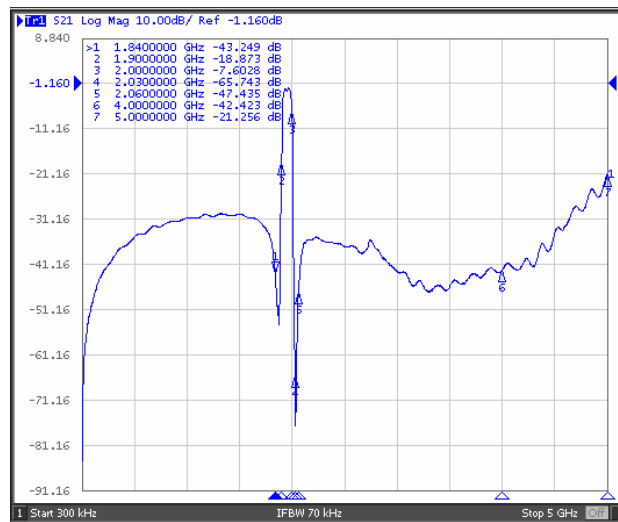
Output VSWR	1920.00 - 1980.00 MHz		1.8:1	2.0:1	/
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Frequency Characteristics

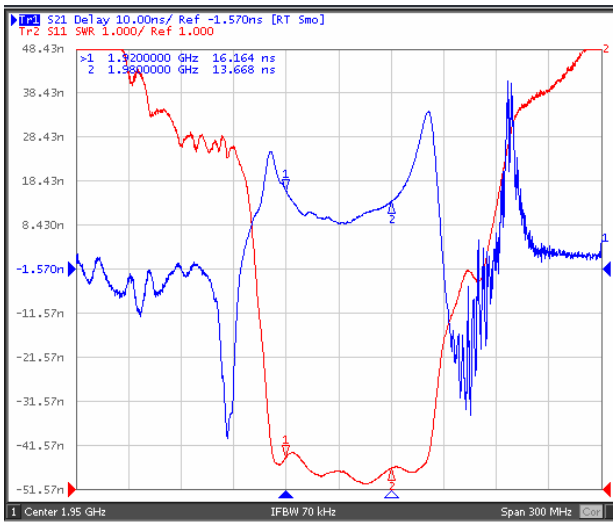
Frequency Response



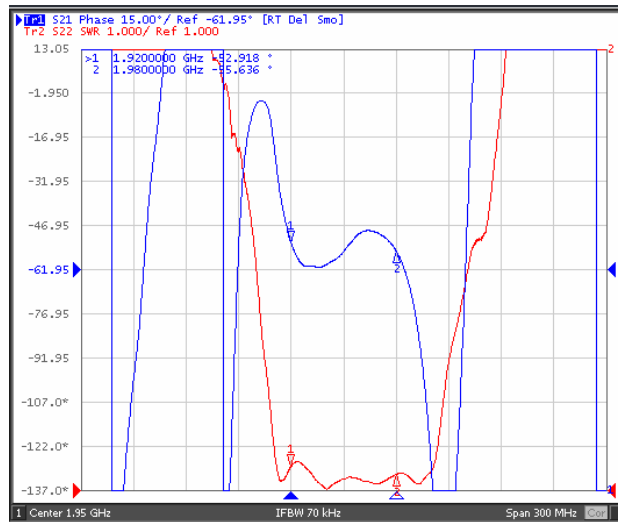
Frequency Response (wideband)



Delay Ripple & S11 VSWR



Phase Linearity & S22 VSWR



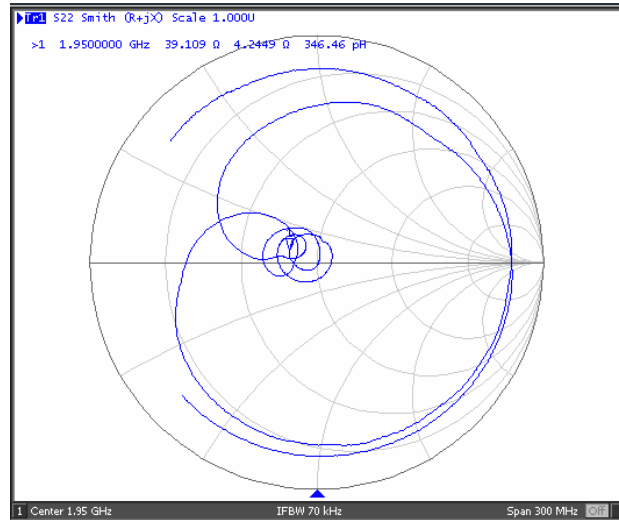
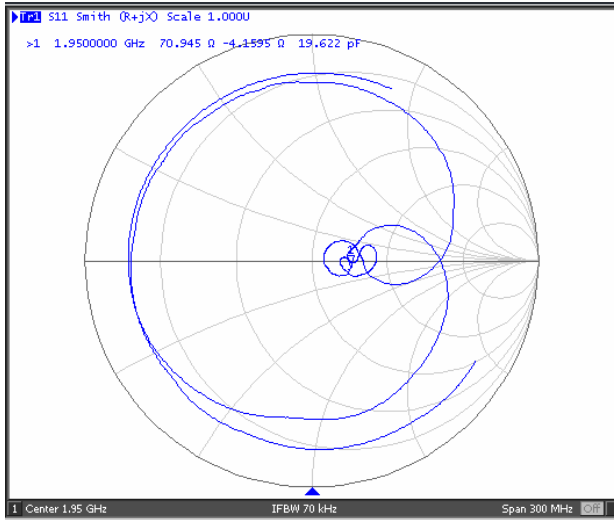
S11 Smith Chart

S22 Smith Chart

1950.00MHz SAW Filter

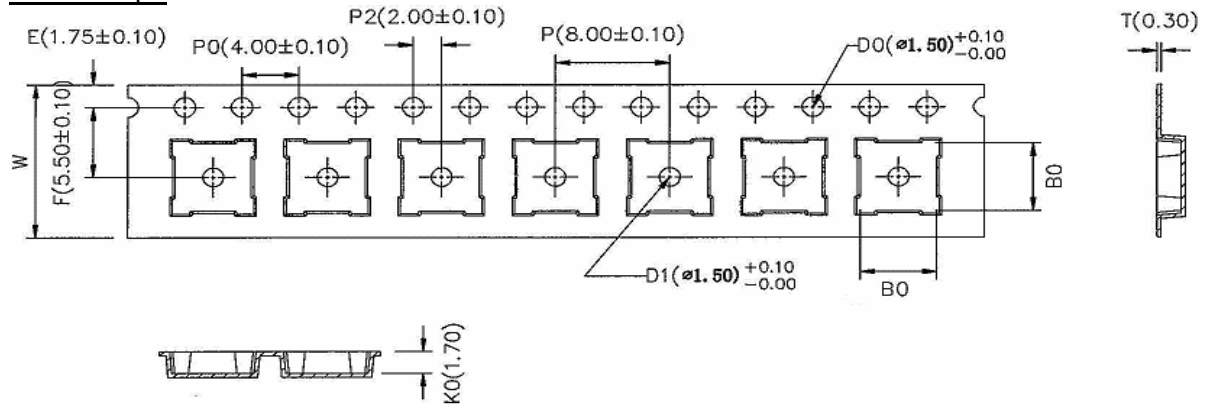
SF9626

60.0MHzBandwidth



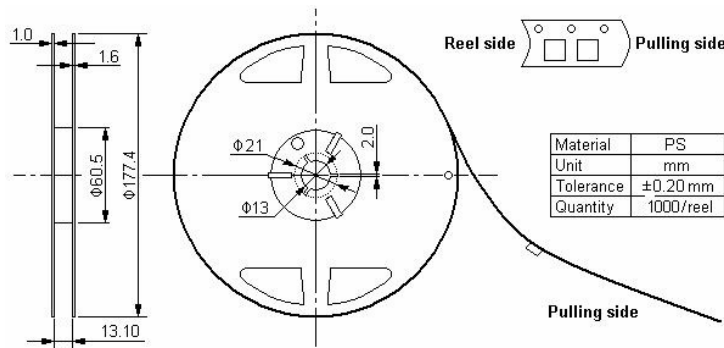
Packing Information

Carrier Tape



* B0: 5.35 for QCC8C; 4.15 for DCC6/QCC8B; 3.35 for DCC6C/QCC8D

Reel Dimensions



Outer Packing

Type	Quantity	Dimension	Description	Weight
Internal box	1000	190×188×42	carton box 2 reel / internal box 5 boxes / external box	0.18
External box	10000	235×205×210		1.80

Unit: mm

Unit: kg

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.

