



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

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Product Specifications Approval Sheet

Product Description: SAW Filter 942.5 MHz SMD 3.0X3.0 mm (BW=35MHz)

TST Part No.: TA0152B

Customer Part No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Kevin *Kevin*

Approved by: _____ Francis Chen *Francis Chen*

Date: _____ 1/25/2011

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.



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SAW Filter 942.5 MHz

MODEL NO.: TA0152B

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 15 dB_m
2. DC voltage: 3 V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

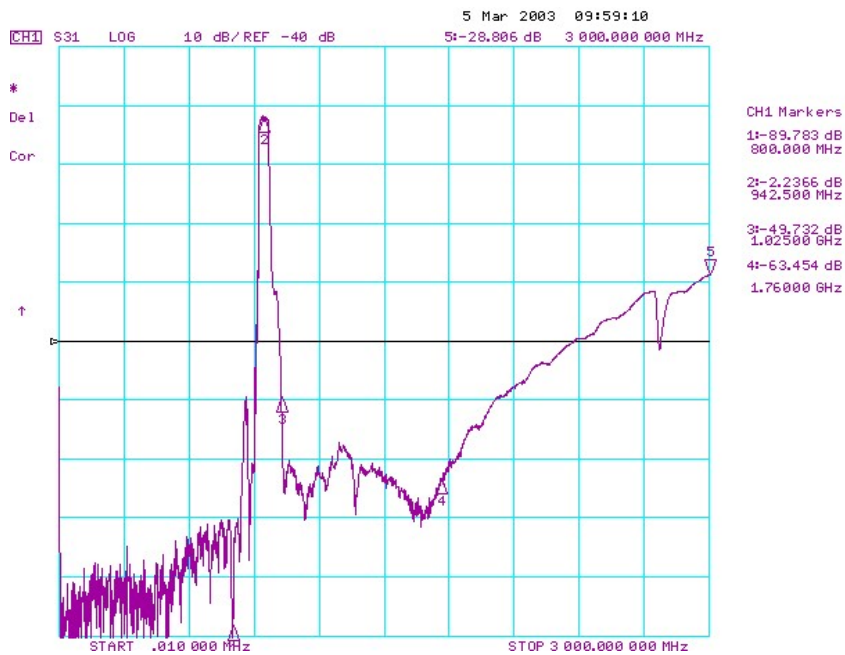
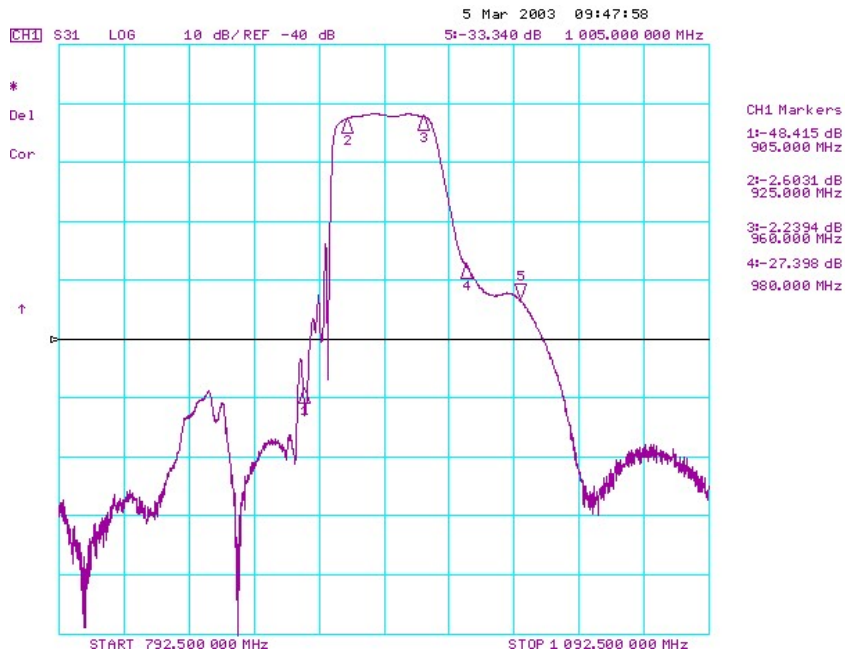
B. ELECTRICAL CHARACTERISTICS:

Characteristics				Specification			Note
				Min.	Typ.	Max	
Center frequency	F _c	MH	-	942.5	-	-	
		z					
Insertion loss	925~960 MHz	I.L.	dB	-	2.8	4.0	-
Ripple	925~960 MHz		dB	-	1.1	2.3	-
Attenuation: (Reference level from 0 dB)							
	0 ~ 800 MHz		dB	50	63	-	-
	800 ~ 880 MHz		dB	40	48	-	-
	880 ~ 905 MHz		dB	35	43	-	-
	905 ~ 915 MHz		dB	14	28		1
	980 ~ 982 MHz		dB	20	27	-	-
	982 ~ 1005 MHz		dB	23	28	-	-
	1005 ~ 1025 MHz		dB	29	33	-	-
	1025 ~ 1760 MHz		dB	40	50	-	-
	1760~ 2300 MHz		dB	30	41	-	-
	2300 ~ 3000 MHz		dB	20	28	-	-
Impedance at F _c	Input	Z _{IN} = R _{IN} // C _{IN}		50Ω // 0 PF			2
	Output	Z _{OUT} = R _{OUT} // C _{OUT}		50Ω // 0 PF			2

Note1. The specification is only for 25°C

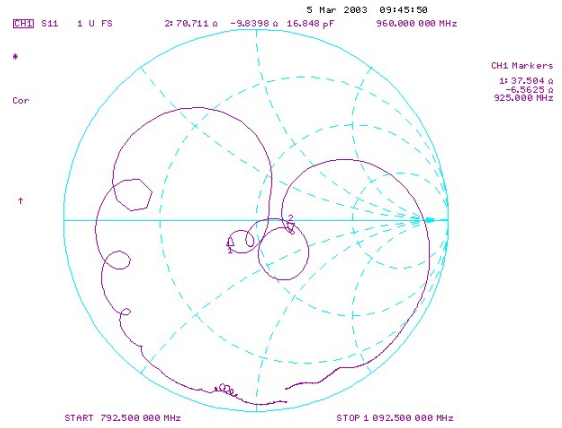
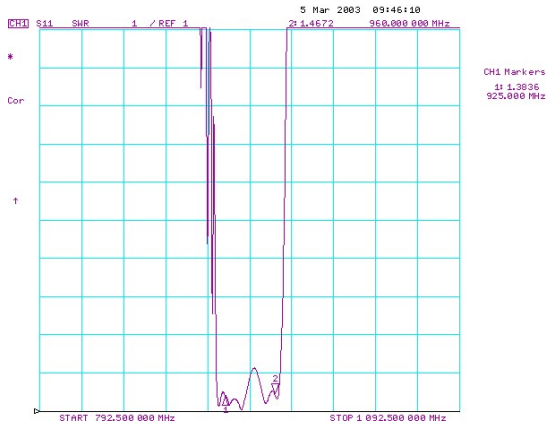
Note2. No matching network required for operation at 50 Ω

C. Transfer Function :

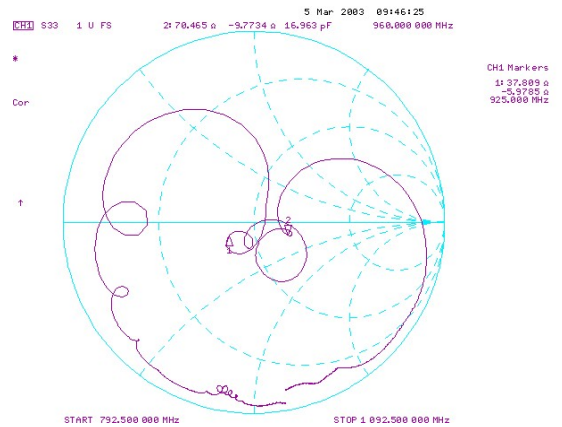
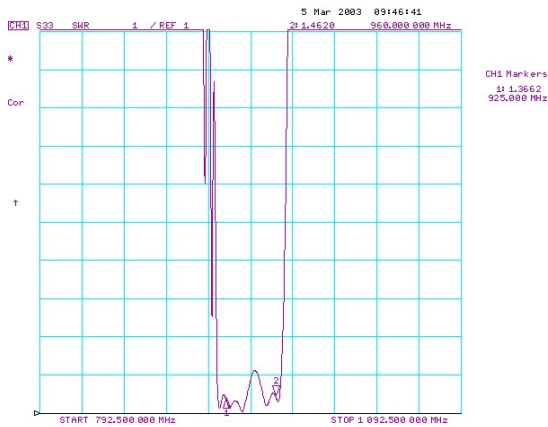


D. Reflections Functions :

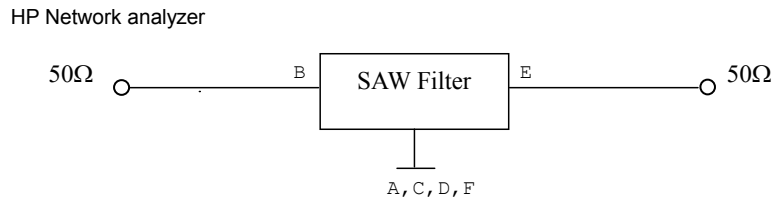
S11



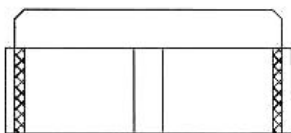
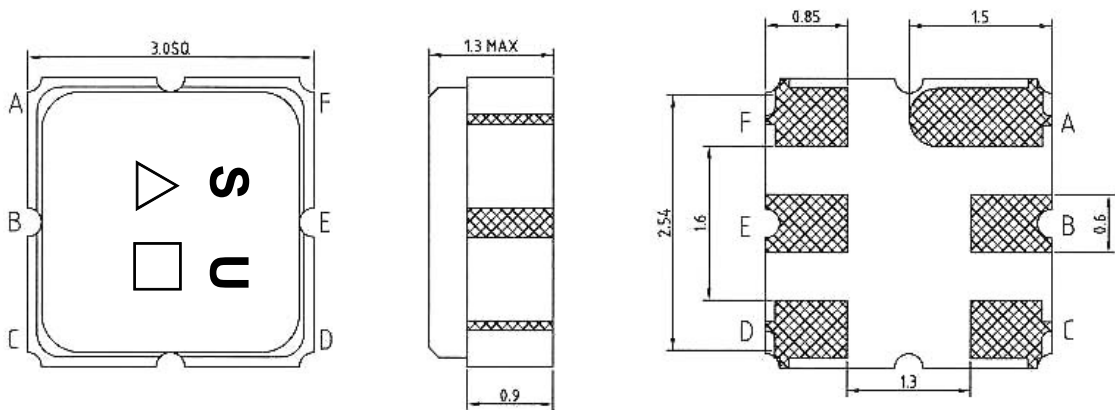
S22



E. MEASUREMENT CIRCUIT:



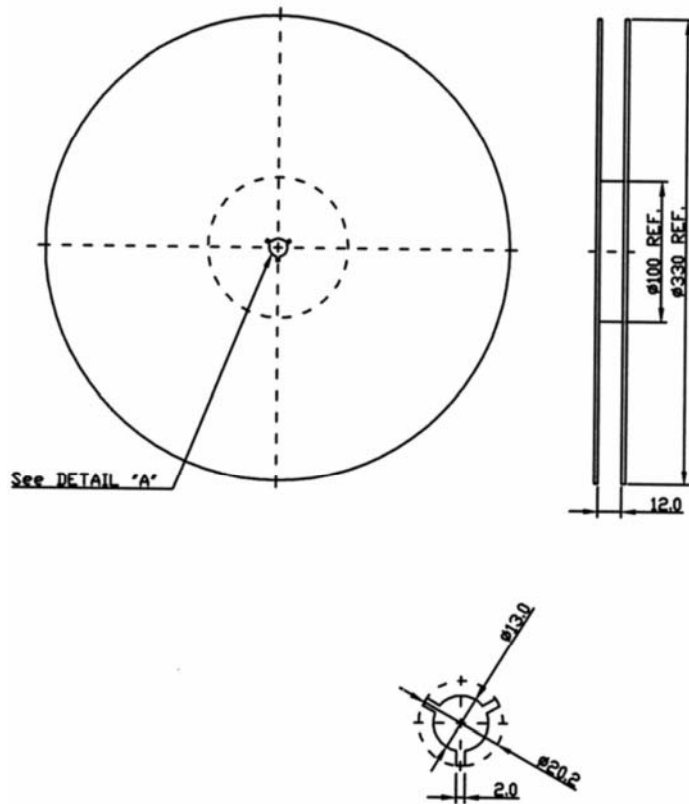
F.OUTLINE DRAWING:



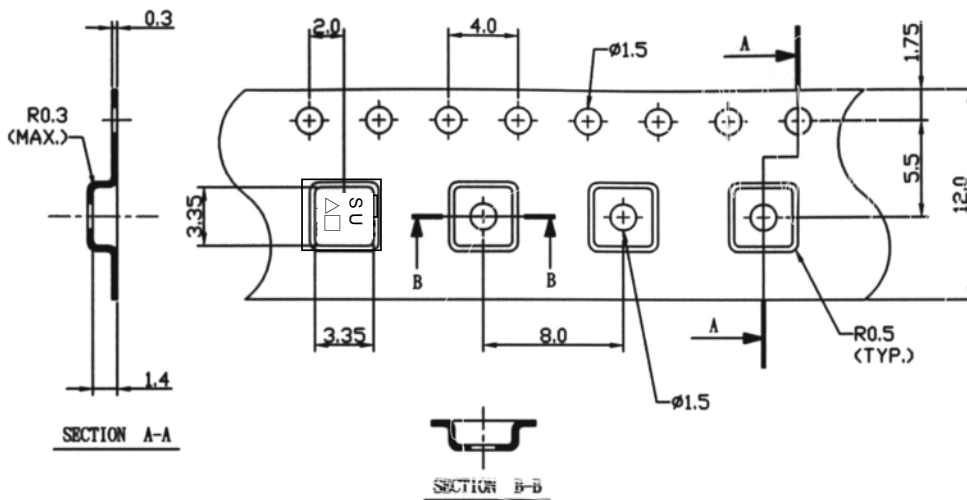
B: Input
 E: Output
 A,C,D,F: Ground
 △: Year code (2010->0, 2011->1, ...)
 □: Date code(Follow the table provided by planner each year.)
 Unit: mm

G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

