



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 915 MHz SMD 3.0x3.0 mm

TST Part No.: TA0281A

Customer Part No.: _____

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

Checked by: _____ David Chang 

Approved by: _____ Francis Chen 

Date: _____ 2009/12/08

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 915 MHz

MODEL NO.: TA0281A

REV. NO.:5

A. MAXIMUM RATING:

1. Input Power Level: 15 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

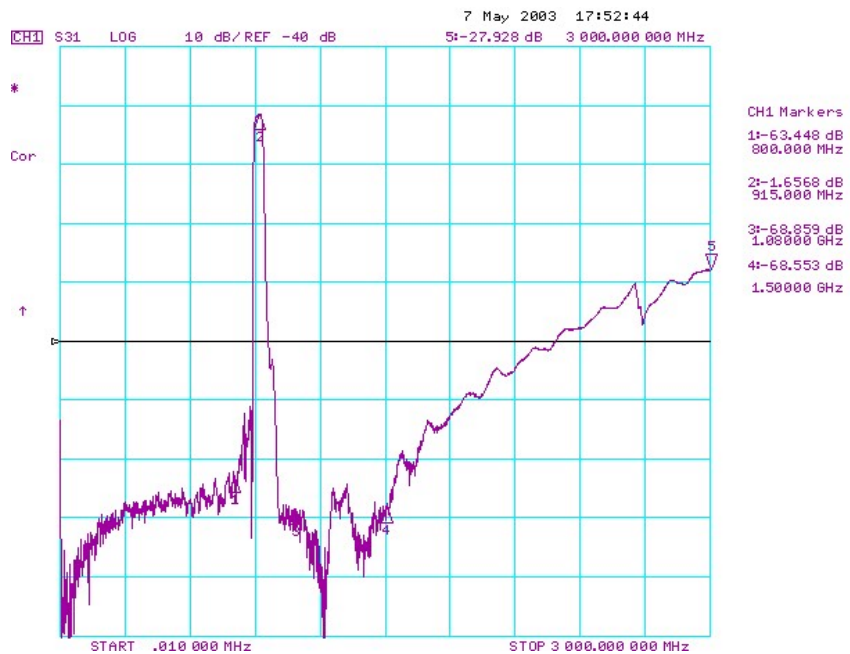
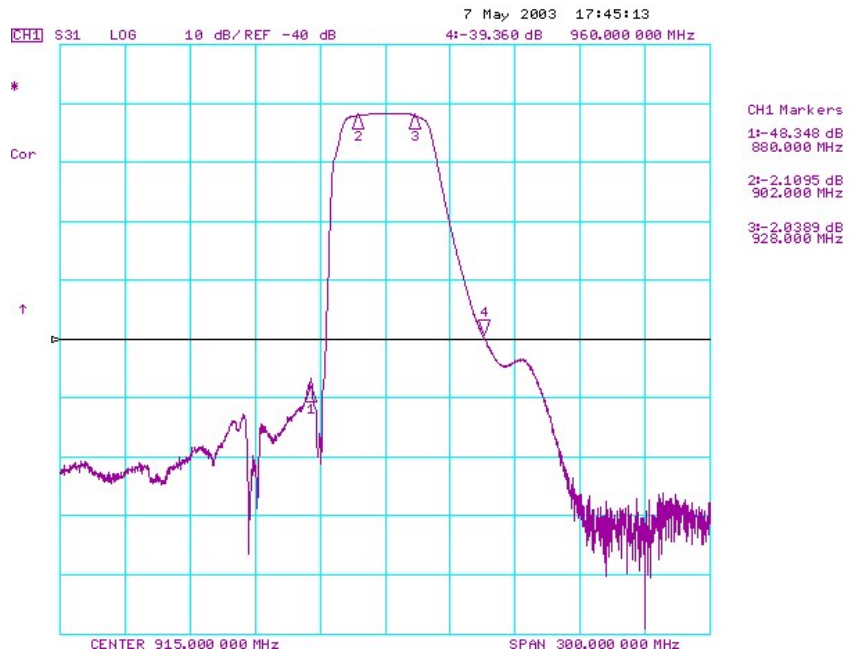
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item		Min.	Typ.	Max.
Center frequency	Fc MHz	-	915	-
Insertion loss	902 ~ 928 MHz IL (dB)	-	2.2	3.5
Amplitude ripple	902 ~ 928 MHz (dB)	-	0.6	2.0
VSWR	902 ~ 928 MHz	-	1.6	2.3
Attenuation (Reference level from 0 dB)				
	D.C. ~ 800 MHz (dB)	50	63	-
	800 ~ 880 MHz (dB)	40	48	-
	960 ~ 1080 MHz (dB)	32	39	-
	1080 ~ 1500 MHz (dB)	45	65	-
	1500 ~ 3000 MHz (dB)	22	28	-
Source impedance	Z_s (Ω)	-	50	-
Load impedance	Z_L (Ω)	-	50	-

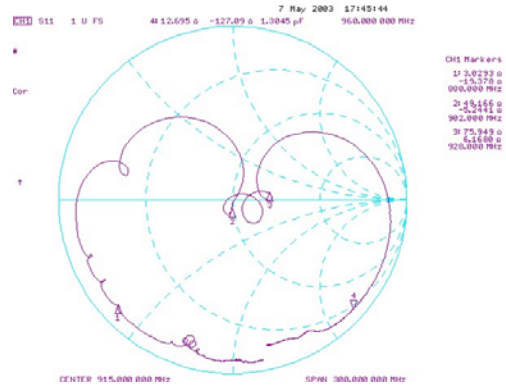
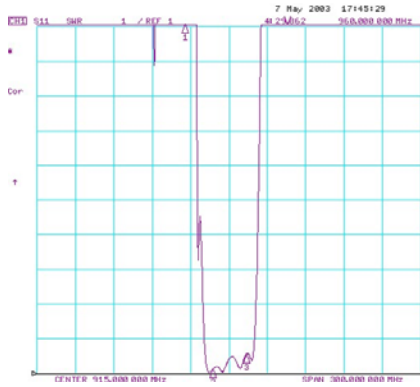
Note1. No matching network required for operation at 50 Ω

C. Frequency Characteristics :

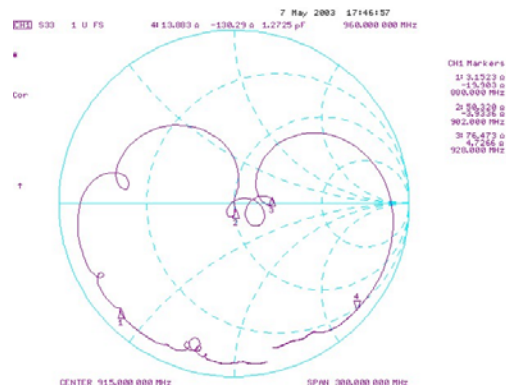
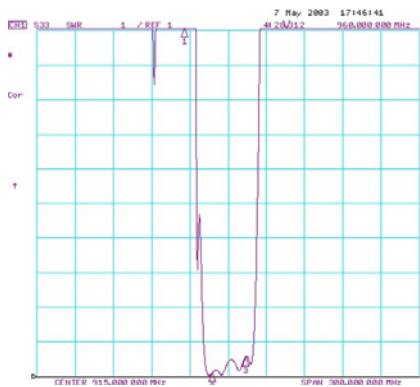


D.Reflections Functions :

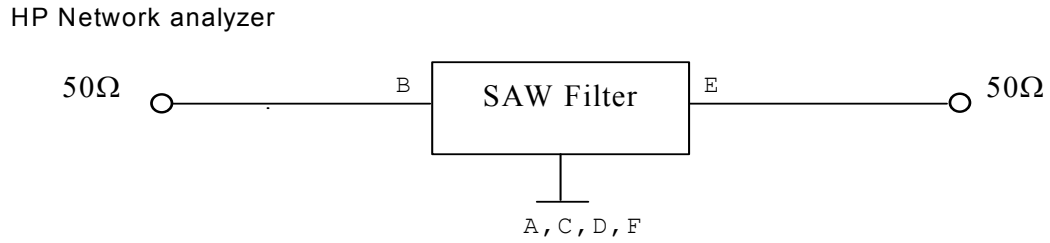
S11:



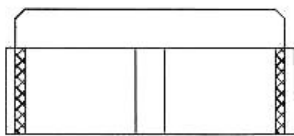
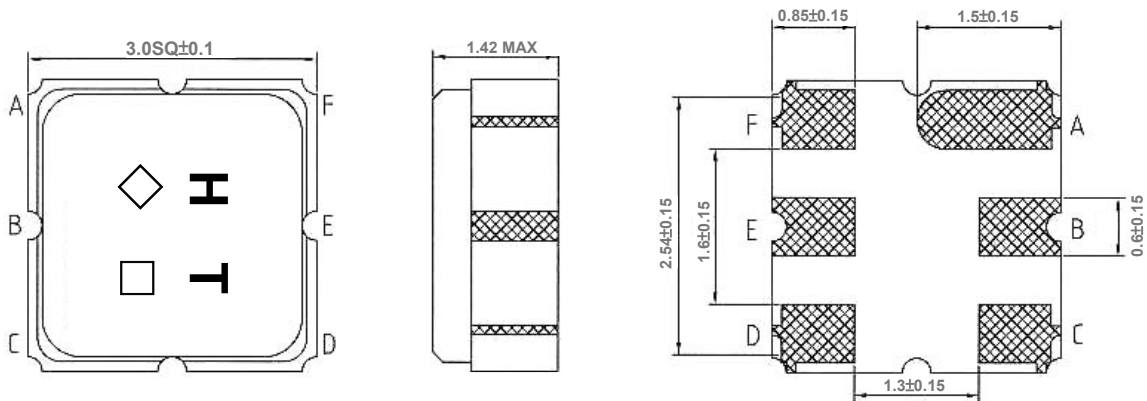
S22:



E. MEASUREMENT CIRCUIT:



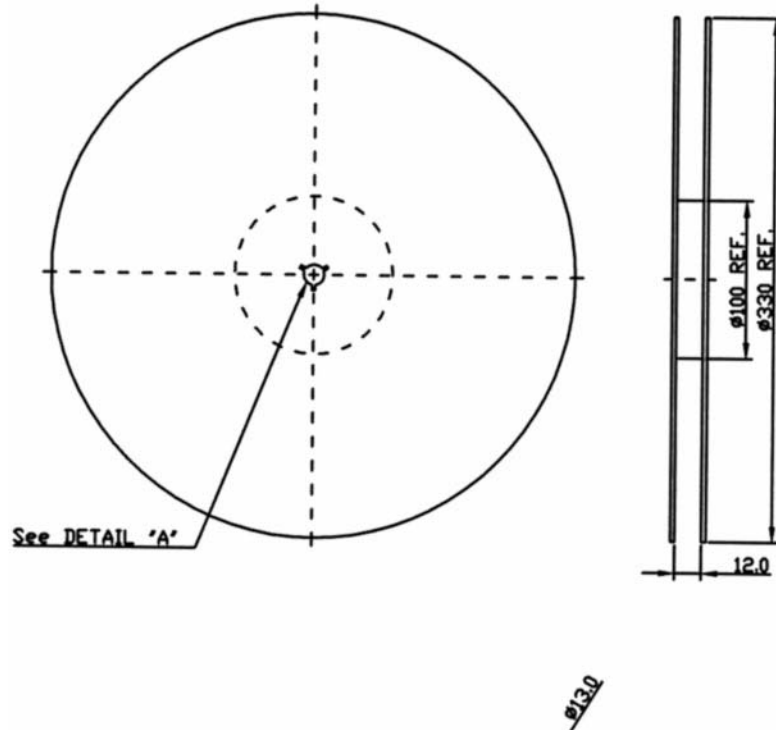
F. OUTLINE DRAWING:



- B : Input
- E : Output
- A, C, D, F : Ground
- ◇ : Date Code for Year
- : Date Code
- Unit : mm

G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

