



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 張國智

Approved by: _____ Francis Chen 陳國智

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

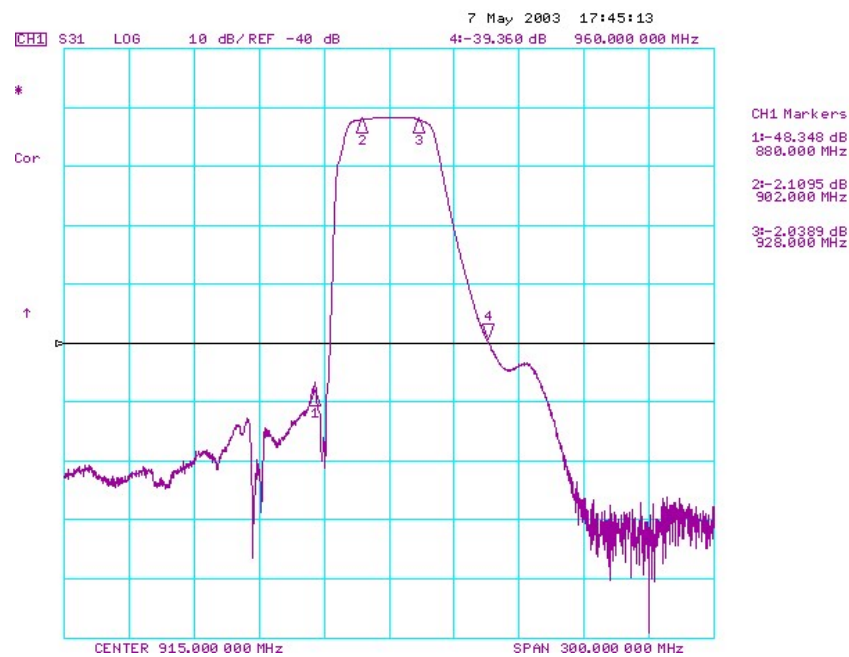
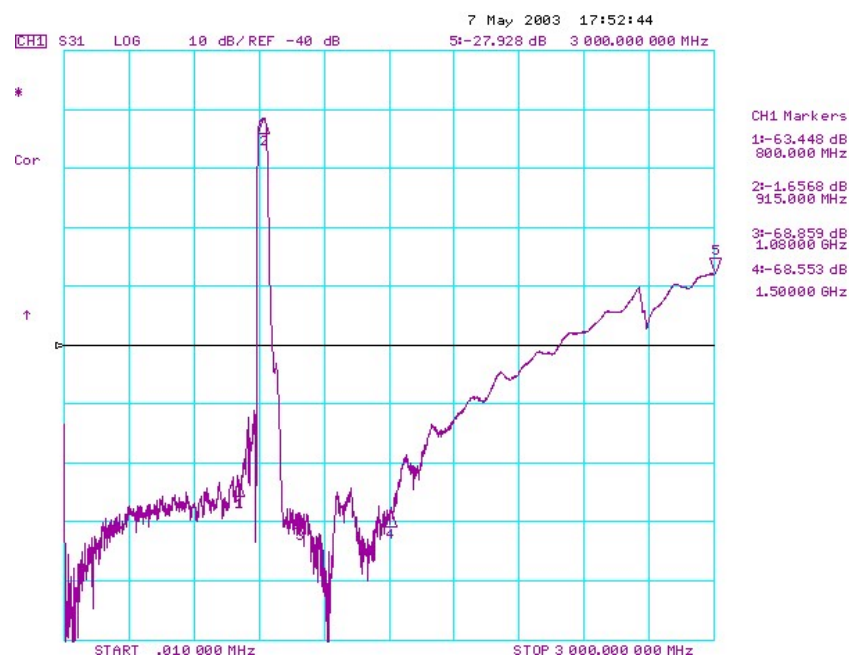
RoHS Compliant
Lead free
Lead-free soldering

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		Zs	(Ω)	-	50	-
Load impedance		ZL	(Ω)	-	50	-

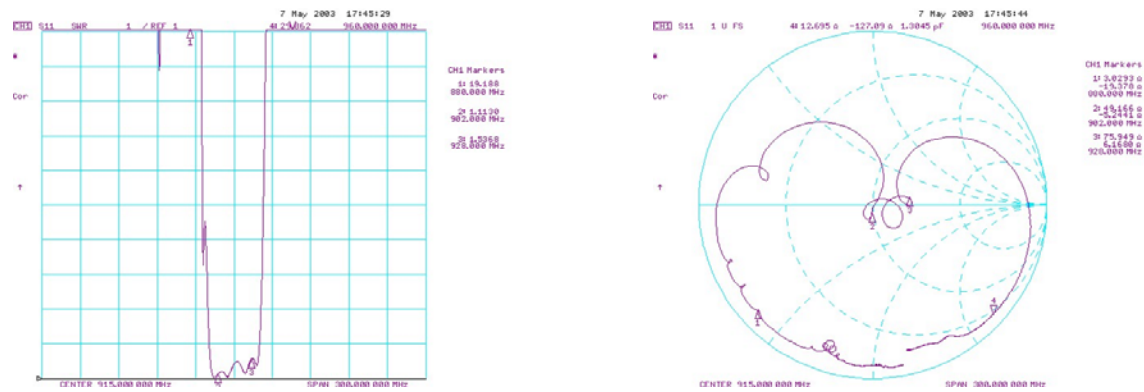
Note1. No matching network required for operation at 50 Ω

C. Frequency Characteristics :

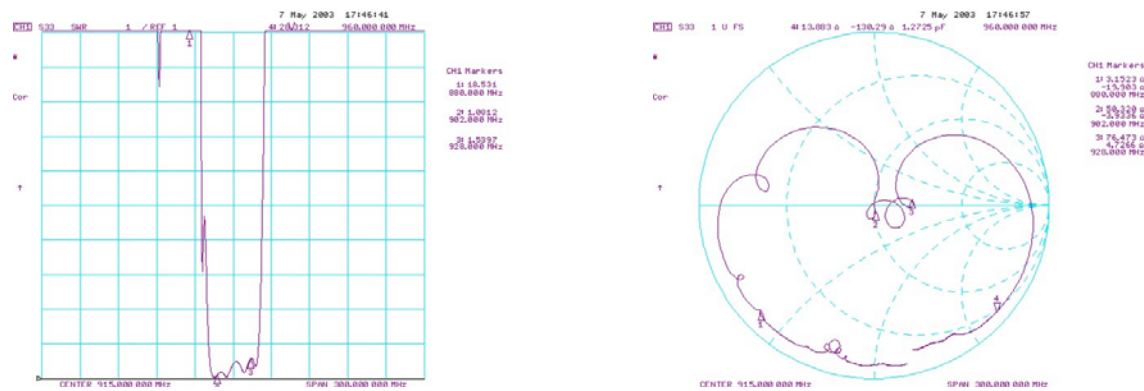


D.Reflections Functions :

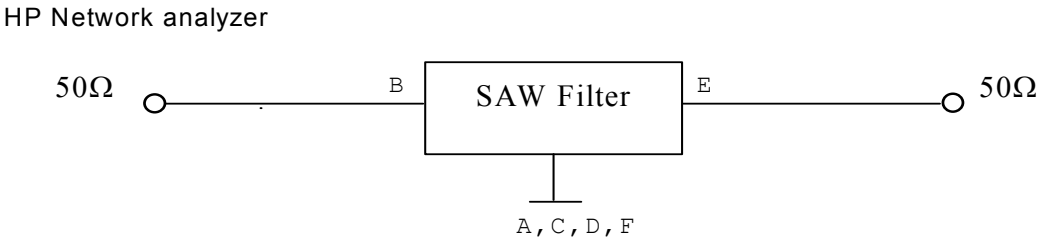
S11:



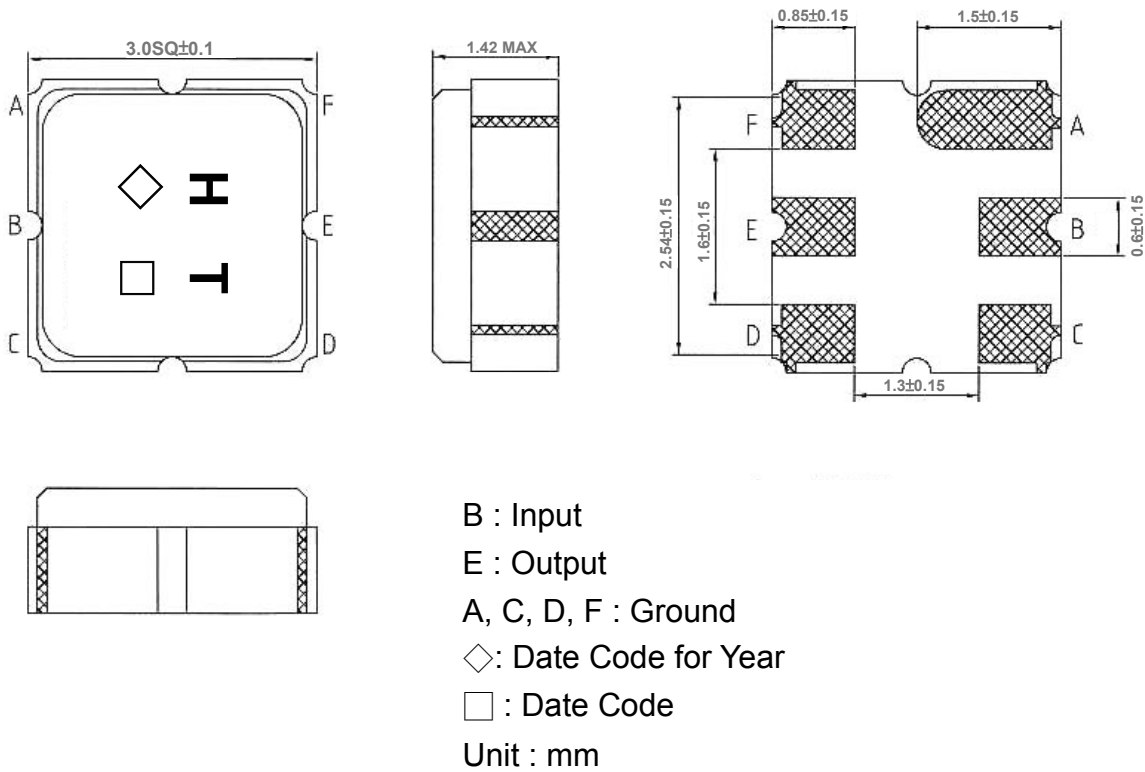
S22:



E. MEASUREMENT CIRCUIT:



F.OUTLINE DRAWING:



1. REEL DIMENSION

See DETAIL 'A'

12.0

100 REF.

330 REF.

$\phi 13.0$

Technical drawing of a mechanical part, showing a top view and two cross-sections, A-A and B-B.

Top View Dimensions:

- Overall width: 12.0
- Overall length: 1.4
- Top edge radius: R0.3 (MAX.)
- Bottom edge radius: R0.5 (TYP.)
- Central row of 8 holes, each with a diameter of $\varnothing 1.5$.
- Distance between hole centers: 4.0
- Distance from the left edge to the first hole center: 2.0
- Distance from the last hole center to the right edge: 2.0
- Distance from the left edge to the first hole center: 3.35
- Distance between the first and second hole centers: 3.35
- Distance between the second and third hole centers: 8.0

Section A-A: Shows the profile of the part, indicating a thickness of 1.75.

Section B-B: Shows the profile of the part, indicating a thickness of 5.5.