



# TAI-SAW TECHNOLOGY CO., LTD.

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

TEL: 886-3-4690038 FAX: 886-3-4697532

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## Product Specifications Approval Sheet


Product Description: SAW Filter 755 MHz SMD 3.8X3.8 mm (BW=24MHz)

TST Part No.: TA1297A

Customer Part No.: \_\_\_\_\_

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

Checked by: \_\_\_\_\_ Kevin 

Approved by: \_\_\_\_\_ Francis Chen 

Date: \_\_\_\_\_ 2/24/2011

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 755 MHz

MODEL NO.: TA1297A

REV. NO.:2

### A. MAXIMUM RATING:

1. Input Power Level: 10 dB<sub>m</sub>
2. DC voltage: 5 V
3. Operating Temperature: -30°C to 60°C
4. Storage Temperature: -30°C to +85°C

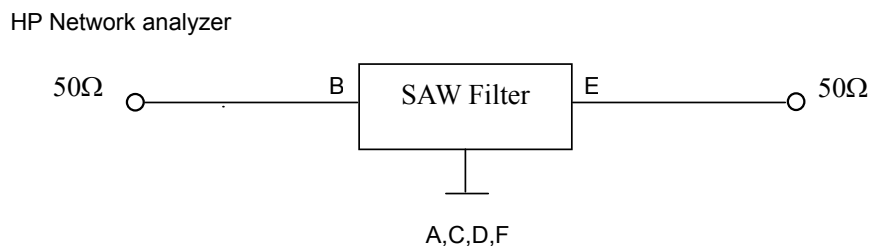
RoHS Compliant  
Lead free  
Lead-free soldering

### B. CHARACTERISTICS:

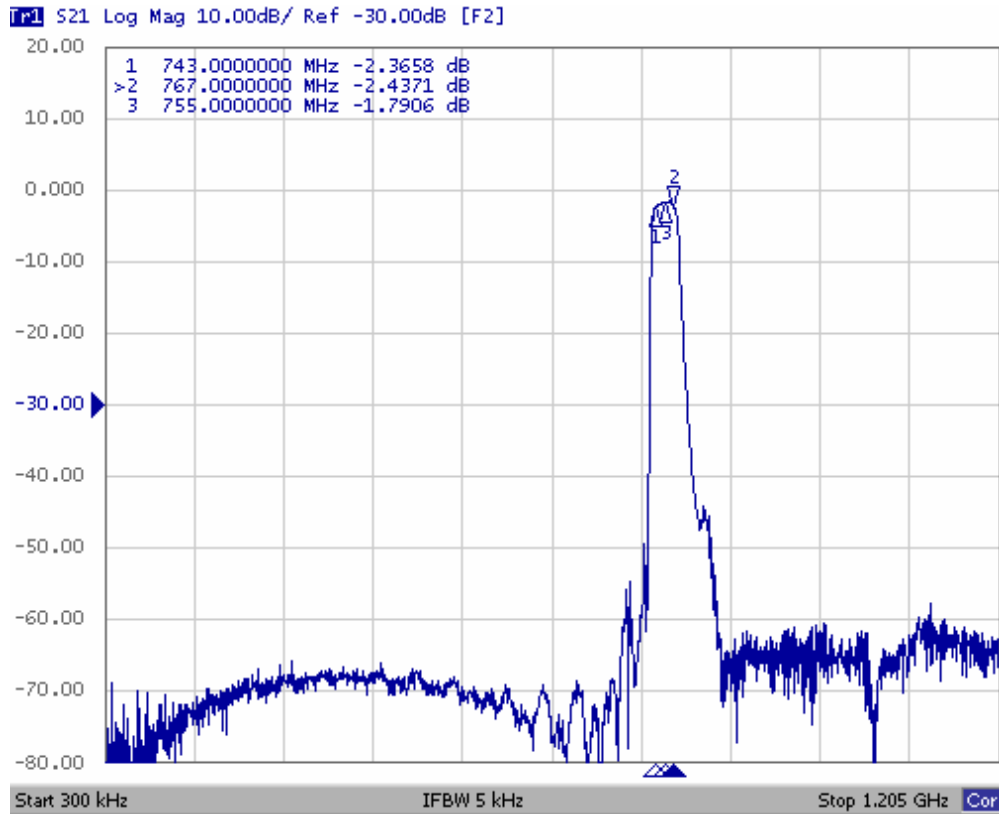
Item	Unit	Min.	Typ.	Max.
Center frequency Fc MHz		-	755	-
3dB Bandwidth MHz	dB	24	32	-
Amplitude ripple 743 ~ 767 MHz	dB	-	1.0	1.7
Insertion loss 743 ~ 767 MHz	dB	-	2.6	3.0
Group Delay variation within 743 ~ 767 MHz	ns	-	25	200
Attenuation (reference from 0dB)				
0.3 ~ 680 MHz	dB	40	52	-
680 ~ 729 MHz	dB	10	45	-
781 ~ 845 MHz	dB	10	20	-
845 ~ 1055 MHz	dB	40	53	-
1050 ~ 1205 MHz	dB	45	50	-
Source impedance Z <sub>S</sub>	Ω	-	50	-
Load impedance Z <sub>L</sub>	Ω	-	50	-

Note1. No matching network required for operation at 50Ω

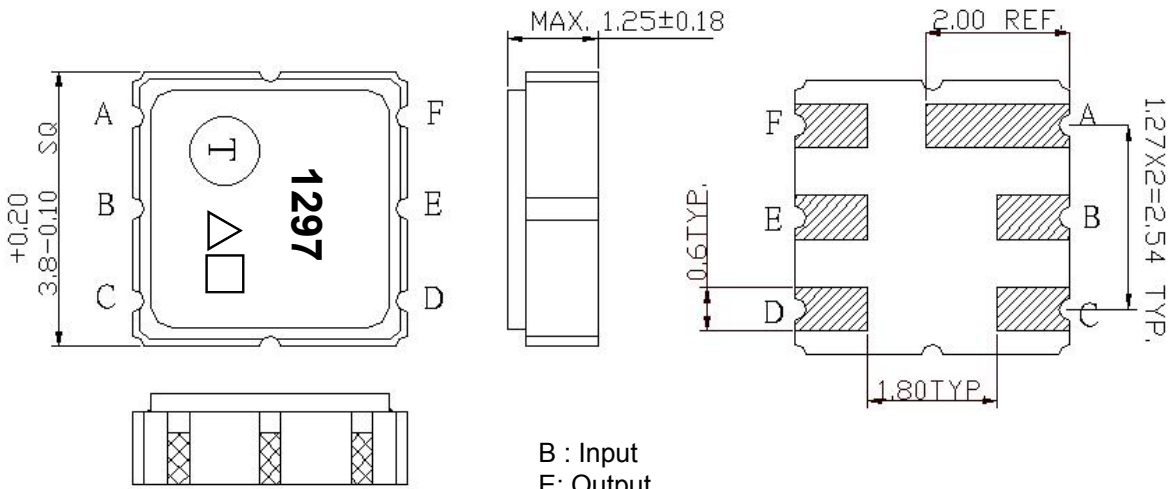
### C. MEASUREMENT CIRCUIT:



## D. TRANSFER FUNCTION :



**E.OUTLINE DRAWING:**

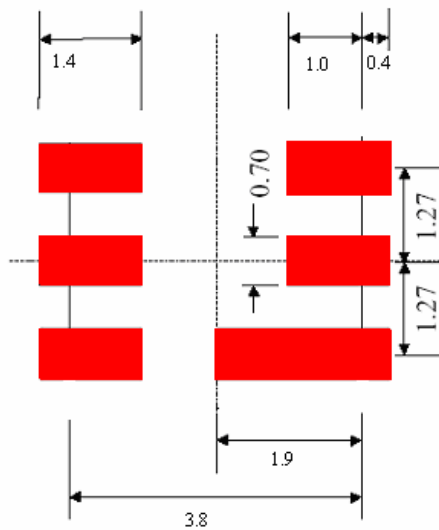


B : Input  
 E: Output  
 A,C,D,F Ground  
 △:Year Code  
 □: Date Code(Follow the table provided by planner each year.)  
 Unit: mm

△ Product Year Code

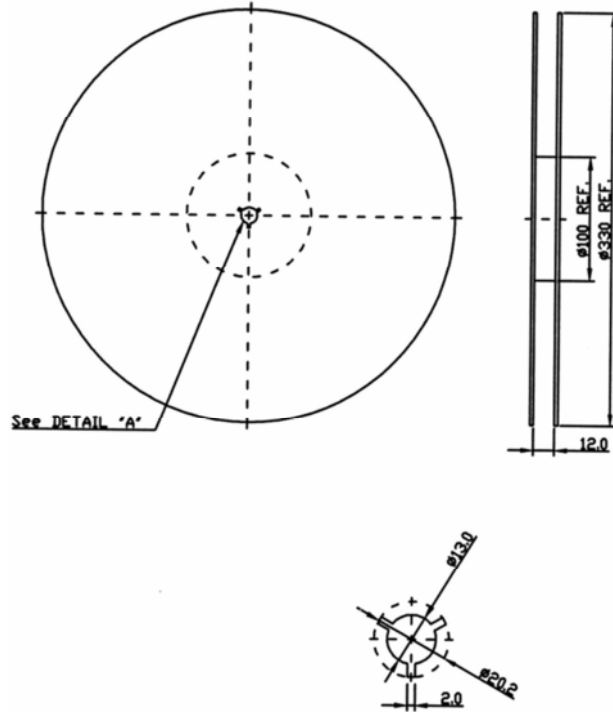
Year	2008	2008
	2009	2010
	2011	2012
Product Code	A	a

**F.PCB FOOTPRINT:**

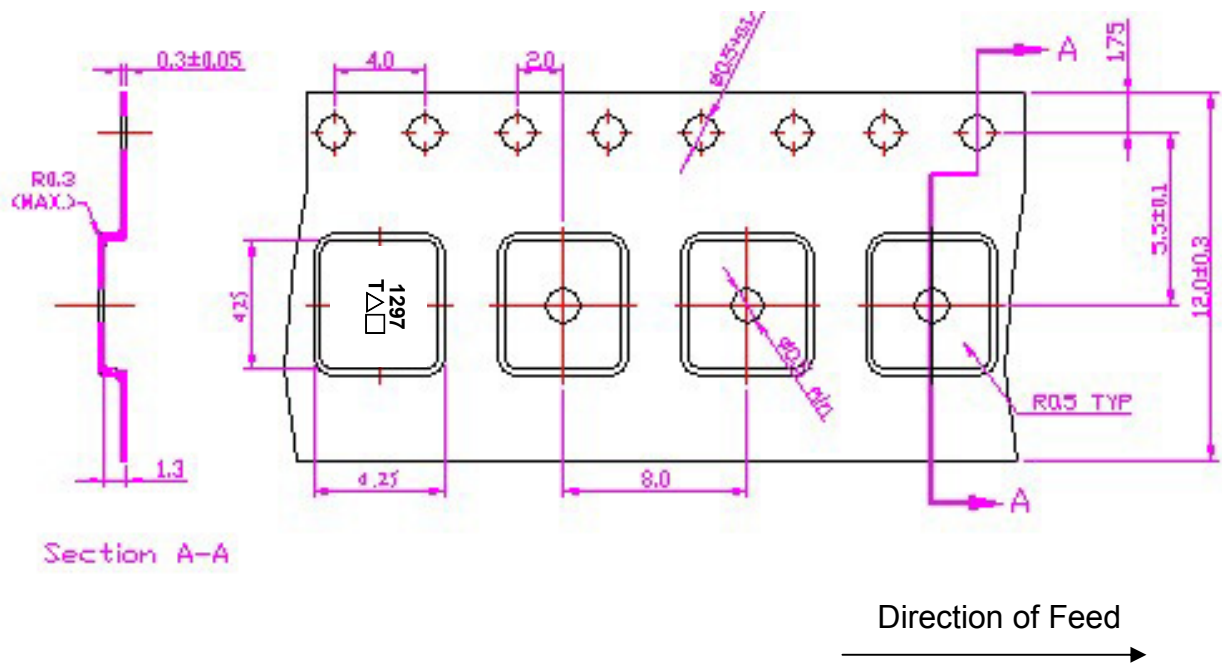


## G. PACKING:

### 1. REEL DIMENSION



### 2. TAPE DIMENSION



## H. REFLOW PROFILE

