



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 Name: SAW Filter 653MHz SMD 3.8×3.8mm (BW=24MHz)

TST Parts No.:TA1358A

Customer Parts No.:_____

Customer signature required

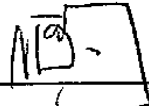
Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Kevin 

Approval by:_____ Francis Chen 

Date:_____ 2011/07/18

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 653 MHz

MODEL NO.: TA1358A

REV. NO.: 1

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -30°C to 60°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

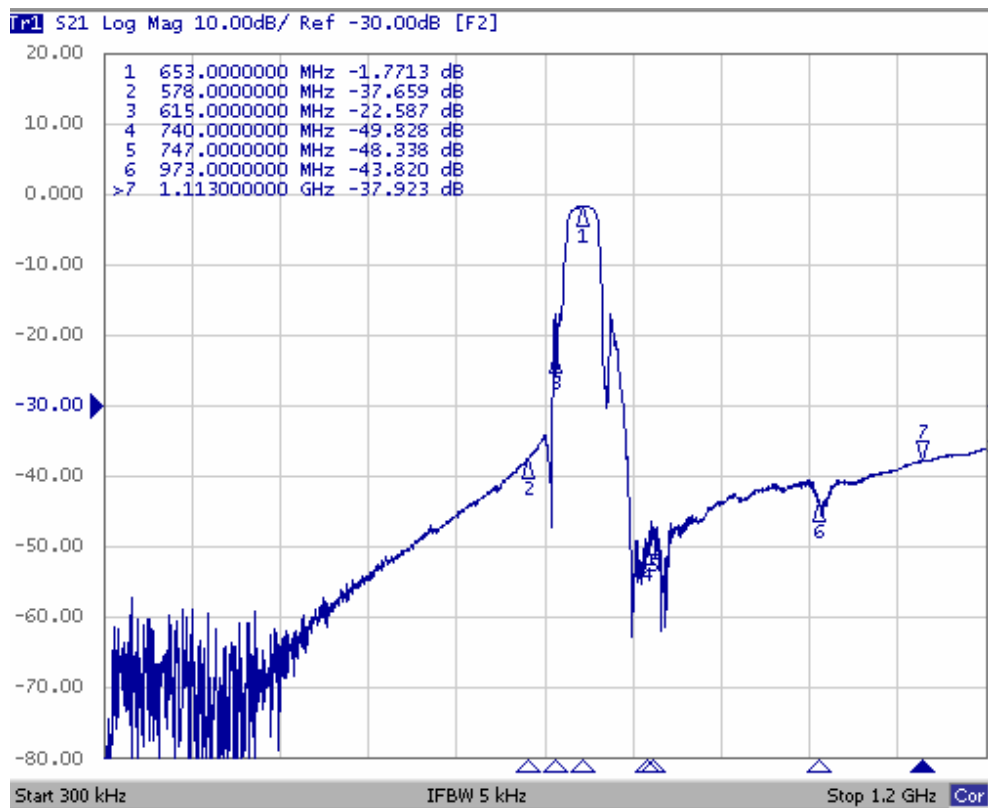
Electrostatic Sensitive Device (ESD)

B. CHARACTERISTICS:

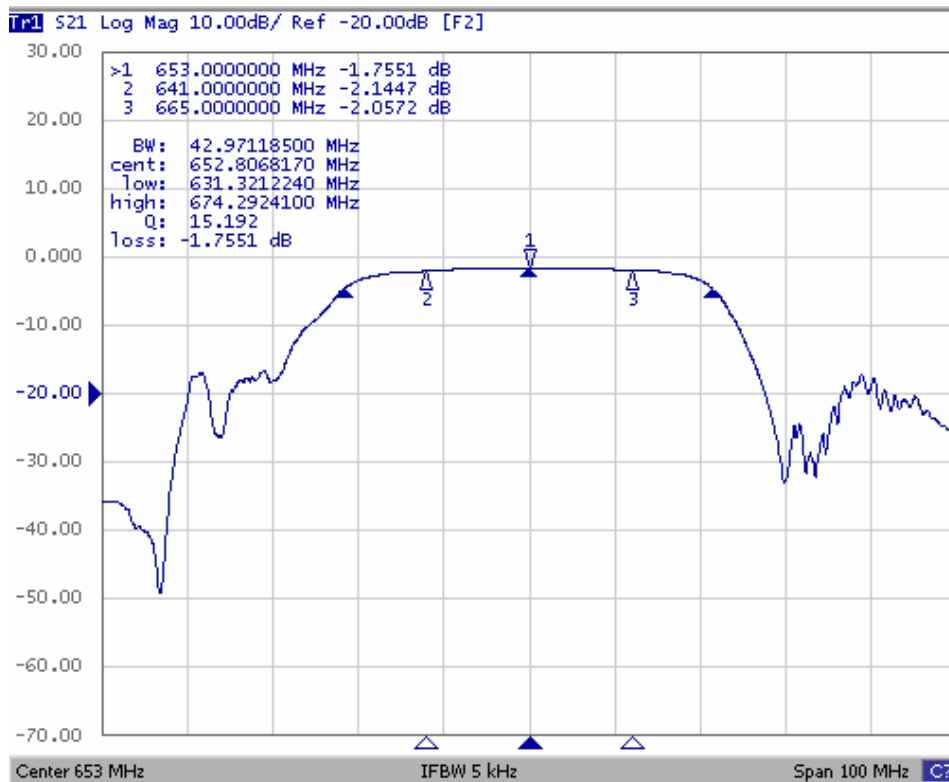
Item	Unit	Min.	Typ.	Max.
Center frequency, Fc	MHz	-	653	-
Amplitude ripple (641 ~ 665 MHz)	dB	-	1.1	1.7
Insertion loss, IL (641 ~ 665 MHz)	dB	-	2.2	3.0
Group Delay, GD (641 ~ 665 MHz)	ns	-	52	200
Bandwidth @ -3 dB		24	42	-
Attenuation (reference from 0dB)				
0.3 ~ 578 MHz	dB	33	38	-
578 ~ 615 MHz	dB	10	17	-
690 ~ 740 MHz	dB	10	19	-
740 ~ 747 MHz	dB	30	38	-
747 ~ 973 MHz	dB	37	42	-
973 ~ 1113 MHz	dB	33	38	-
Source impedance, Z _S	Ω	-	50	-
Load impedance, Z _L	Ω	-	50	-

Note1. No matching network required for operation at 50Ω

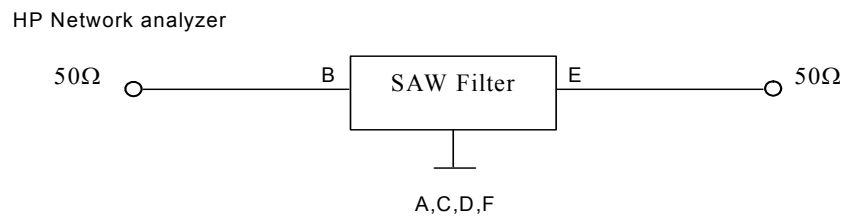
C. Transfer Function : Wideband



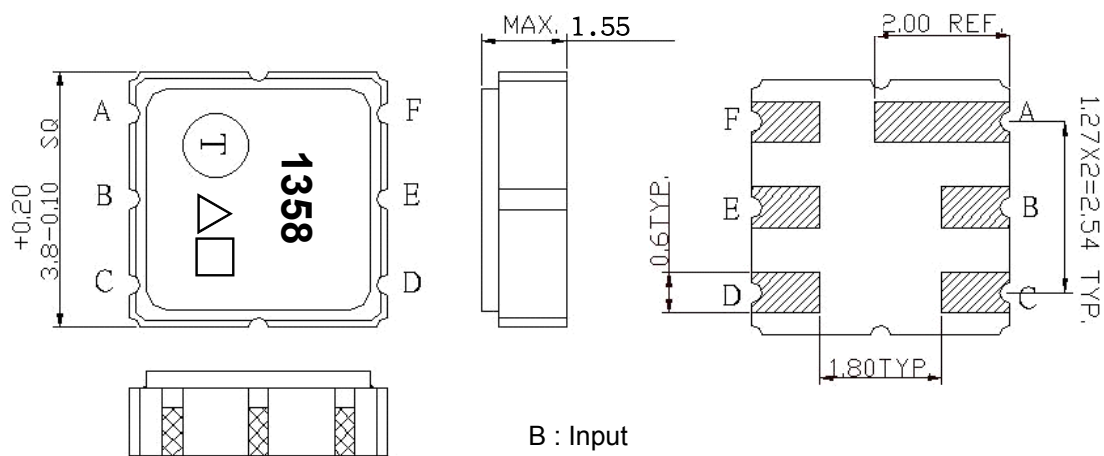
Passband



D. MEASUREMENT CIRCUIT:



E.OUTLINE DRAWING:



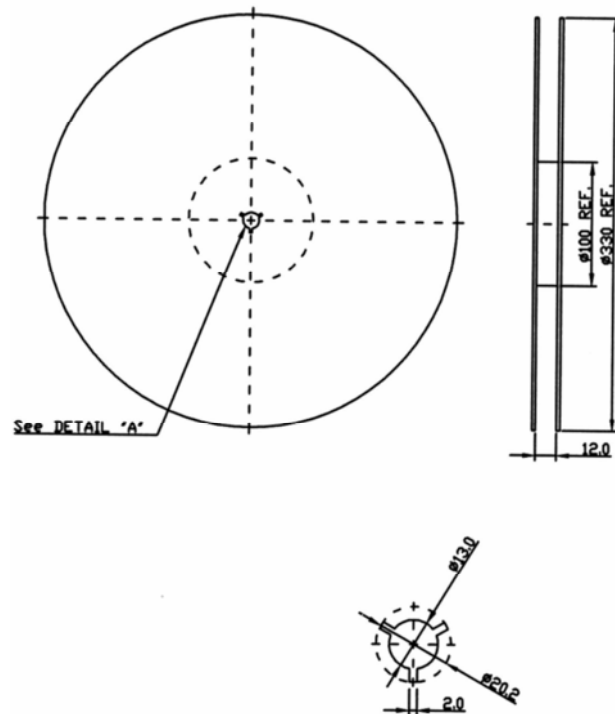
B : Input
 E: Output
 A,C,D,F Ground
 △:Year Code
 □: Date Code(Follow the table provided by planner each year.)
 Unit: mm

△ Product Year Code

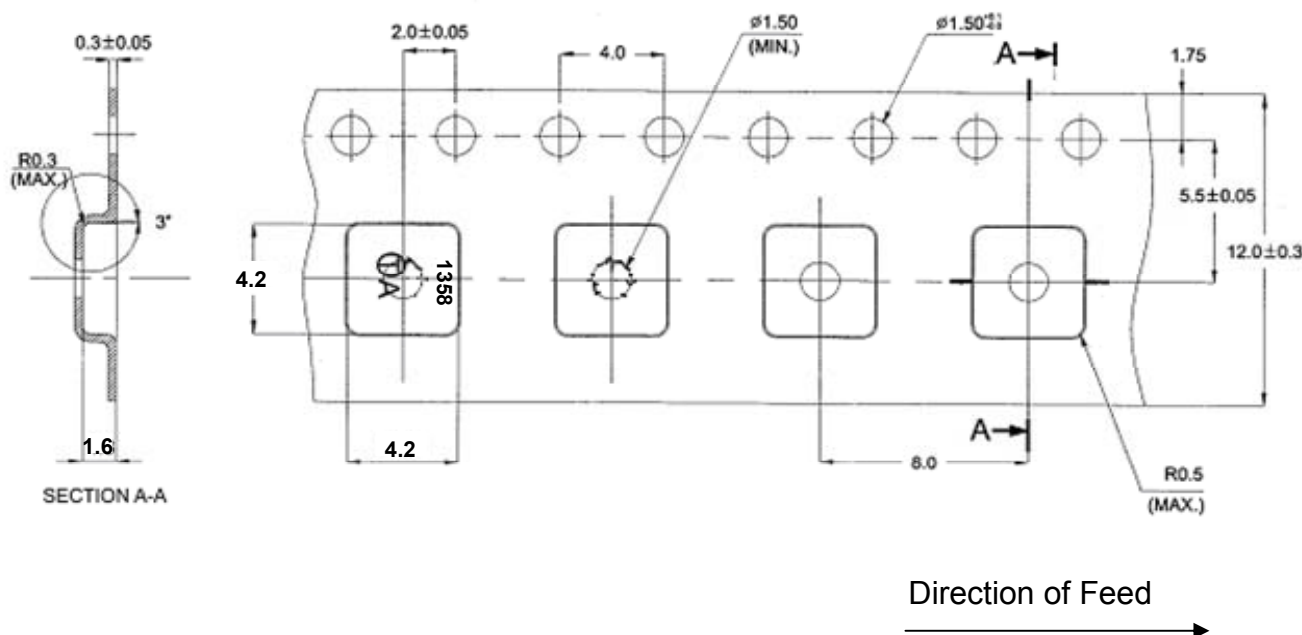
Year	2011	2012
	2013	2014
	2015	2016
	.	.
Product Code	A	a

F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

