



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 1572.5MHz SMD 3.0X3.0 mm(BW=30MHz)

TST Part No.: TA1166A

Customer Part No.: _____

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

Checked by: _____ Marco Huang *Marco Huang*

Approved by: _____ Bob Chau *Bob Chau*

Date: _____ 07/20/2015

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 1572.5 MHz

MODEL NO.:TA1166A

REV. NO : 2.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -30°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

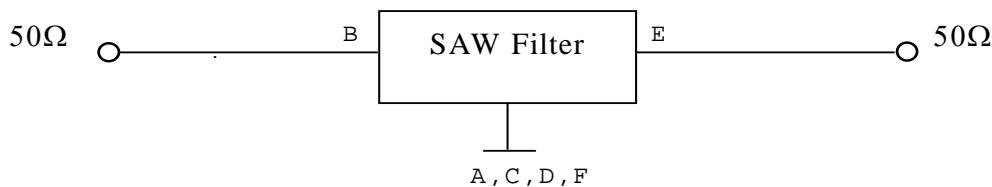
Electrostatic Sensitive Device

B. ELECTRICAL CHARACTERISTICS:

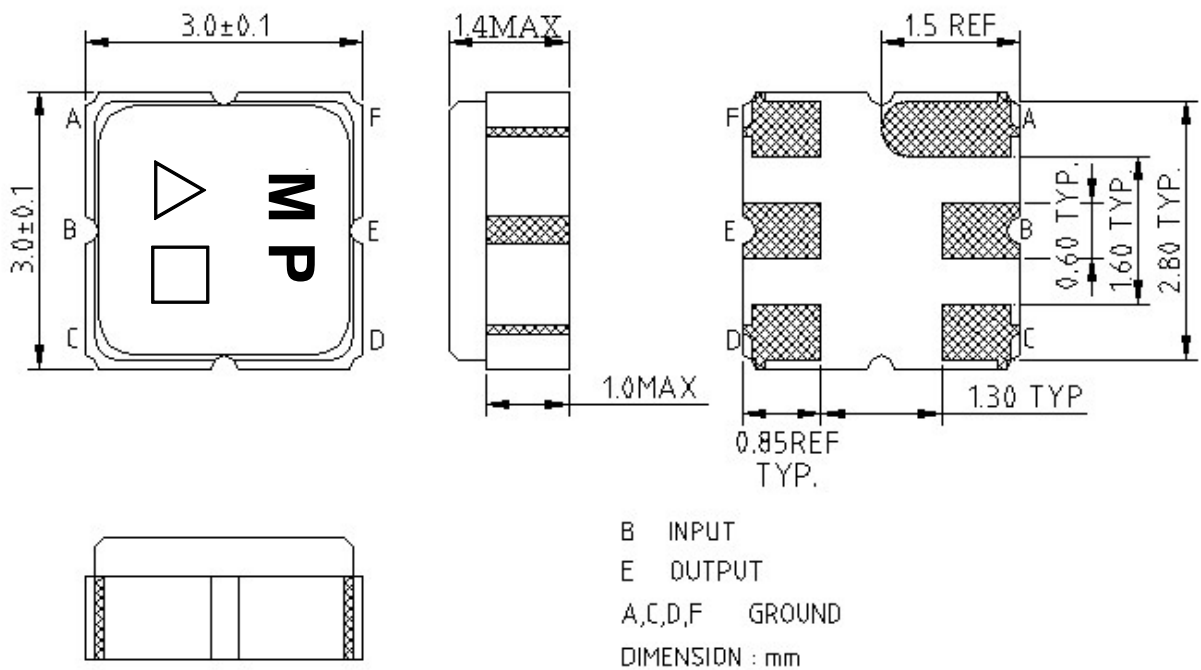
Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	1572.5	-
Insertion Loss within 1557.5~1587.5MHz IL	dB	-	1.85	3.0
Amplitude ripple within 1557.5 ~ 1587.5 MHz	dB	-	0.4	2.0
Attenuation (Reference level from 0 dB)				
1467 ~ 1519 MHz	dB	35	38.3	-
1519 ~ 1527 MHz		20	38.3	
1617 ~1677 MHz	dB	37	45.0	-
Source impedance Zs	Ω	-	50	-
Load impedance ZL	Ω	-	50	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer

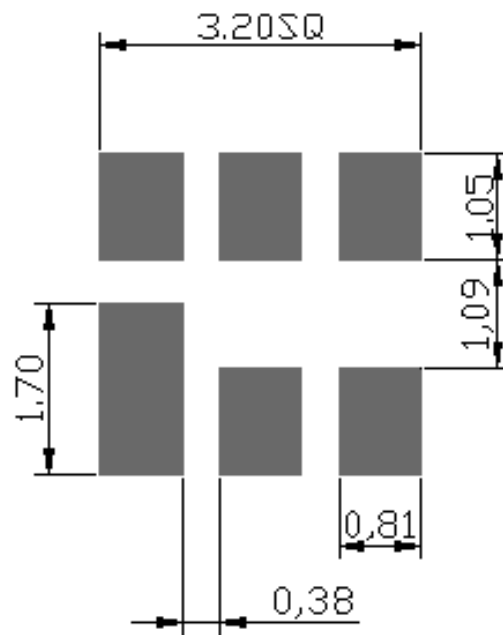


D.OUTLINE DRAWING:

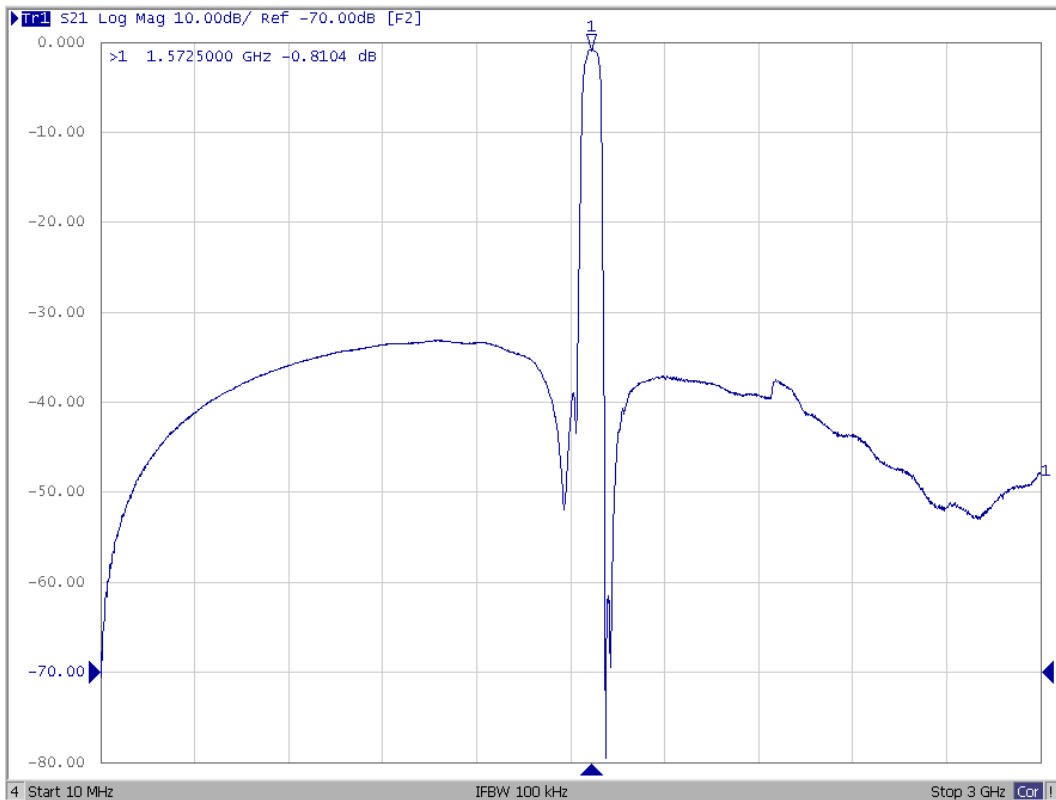
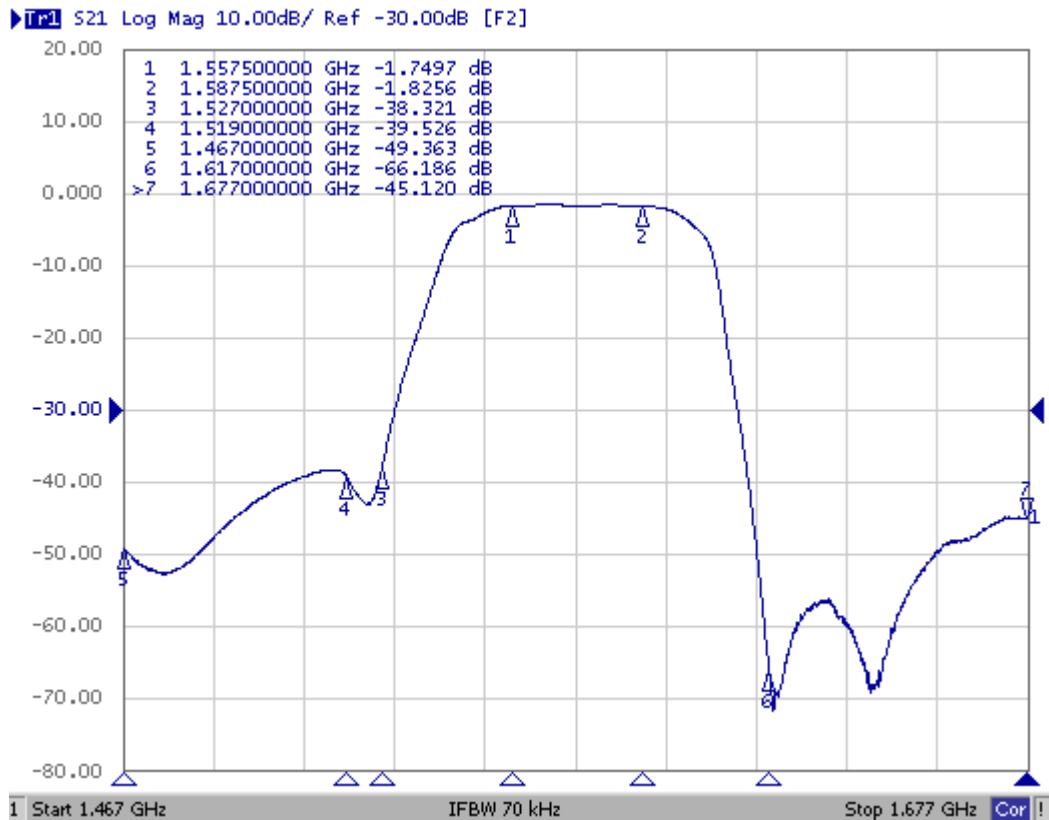


- \triangle : Year Code(2010→0,2011→1...2019→9)
- \square : Date Code(Follow the table from planner each year)

E. PCB FOOTPRINT:

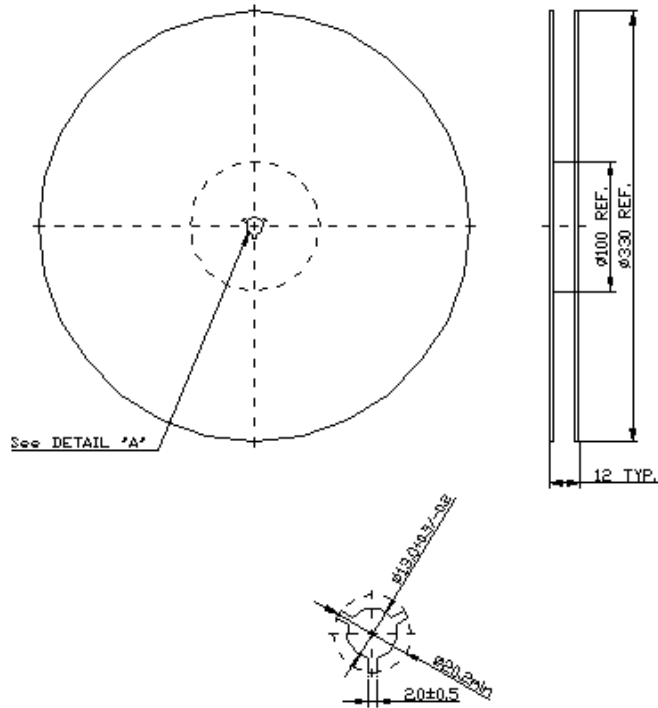


F. FREQUENCY CHARACTERISTICS:

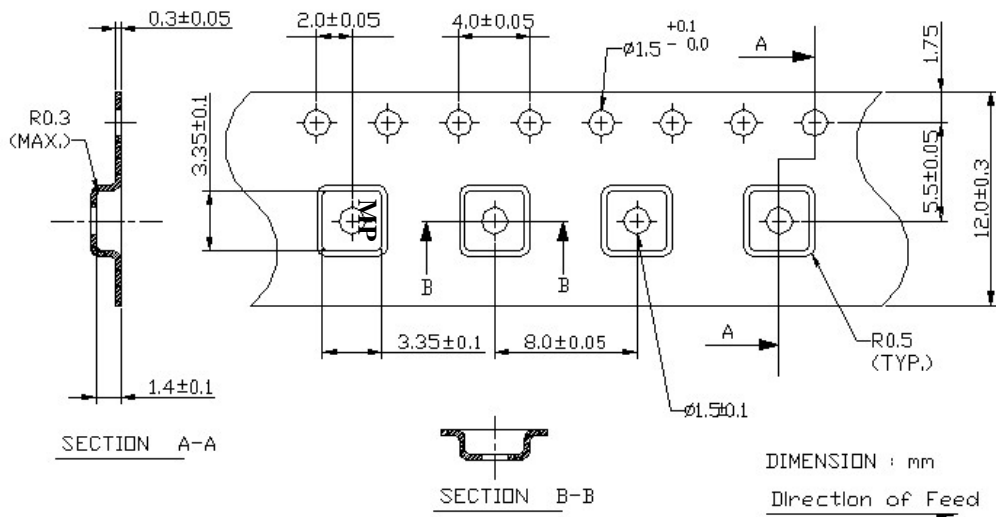


G. PACKING:

1. REEL DIMENSION (Please refer to FR-75D10 for packing quantity)



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 260°C+0/-5°C peak (20~40sec).
4. Time: 2 times.

