



TAI-SAW TECHNOLOGY CO., LTD.

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Product Specifications Approval Sheet

Product Description: SAW Filter 607 MHz SMD 3.0X3.0 mm (BW=18MHz)

TST Part No.: TA1446A

Customer Part No.: _____

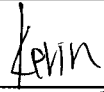
Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Kevin 

Approved by: _____ Francis Chen 

Date: _____ 12/26/2011

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 607MHz

MODEL NO.:TA1446A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -20°C to +60°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

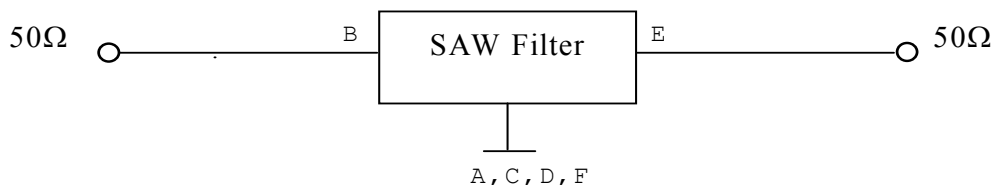
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

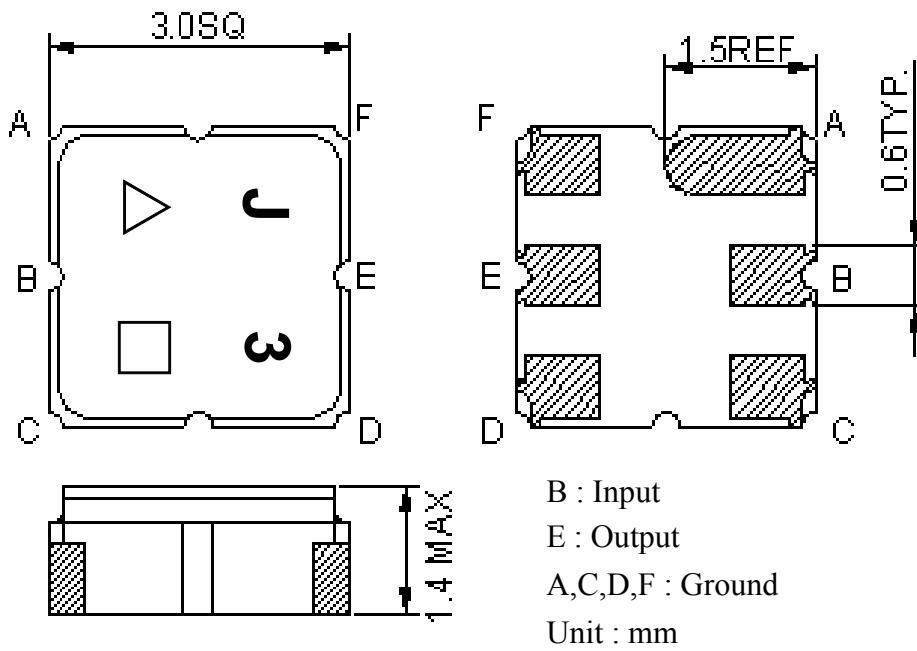
Item	Unit	Min.	Typ.	Max.
Center frequency, Fc	MHz	-	607	-
Insertion loss, IL (598 ~ 616 MHz)	dB	-	1.3	3
Amplitude ripple (598 ~ 616 MHz)	dB	-	0.7	1.7
Group Delay, GD (598 ~ 616 MHz)	ns	-	48	200
Bandwidth @ -3 dB		18	27	-
Attenuation (reference from 0dB)				
0.3 ~ 504 MHz	dB	35	60	-
504 ~ 544 MHz	dB	10	60	-
640 ~ 670 MHz	dB	10	42	-
670 ~ 860 MHz	dB	40	55	-
880 ~ 1030 MHz	dB	50	55	-
Source impedance Z_S	Ω	-	50	-
Load impedance Z_L	Ω	-	50	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer



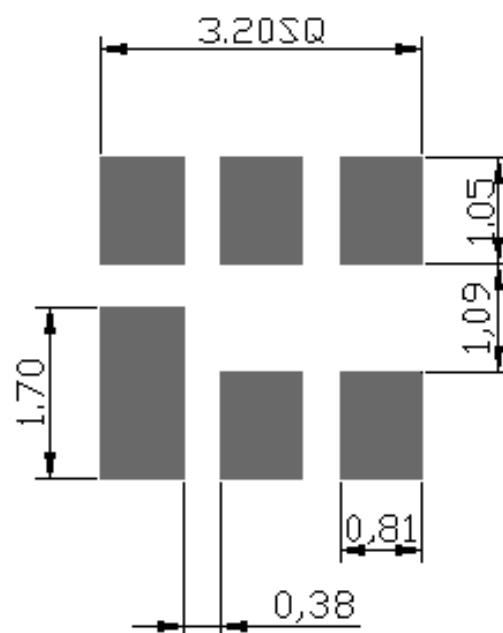
D.OUTLINE DRAWING:



△ : Year Code (2011->1, 2012->2 ..., 2019->9)

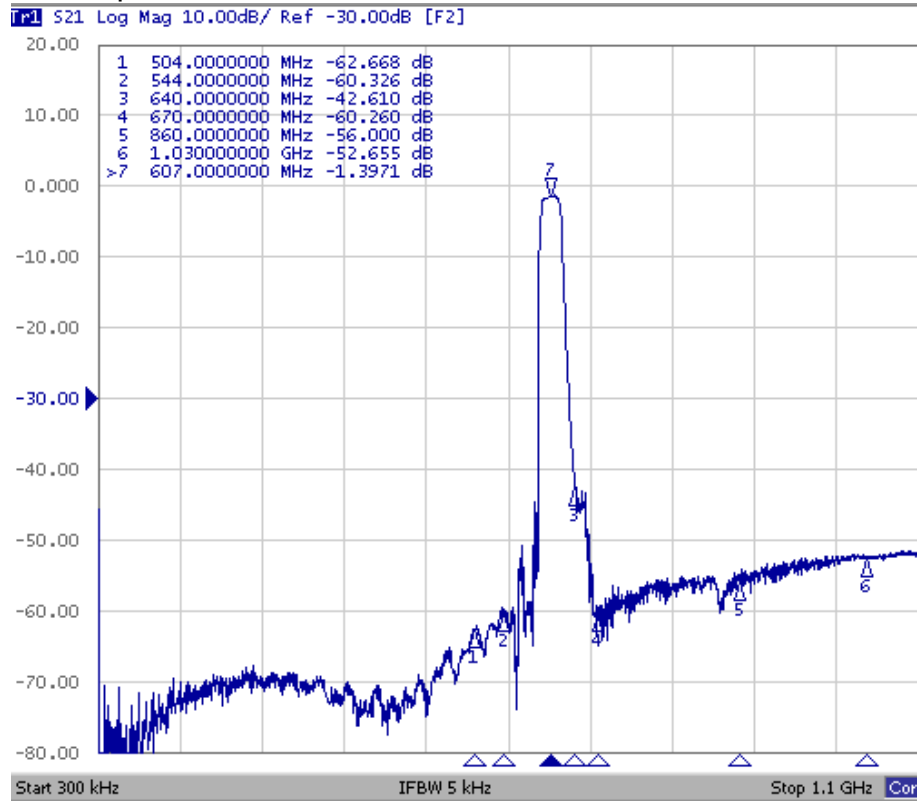
□ : Date Code (W01->A, W02->B, ... W27->a, ..., W52->z)

E. PCB Footprint:

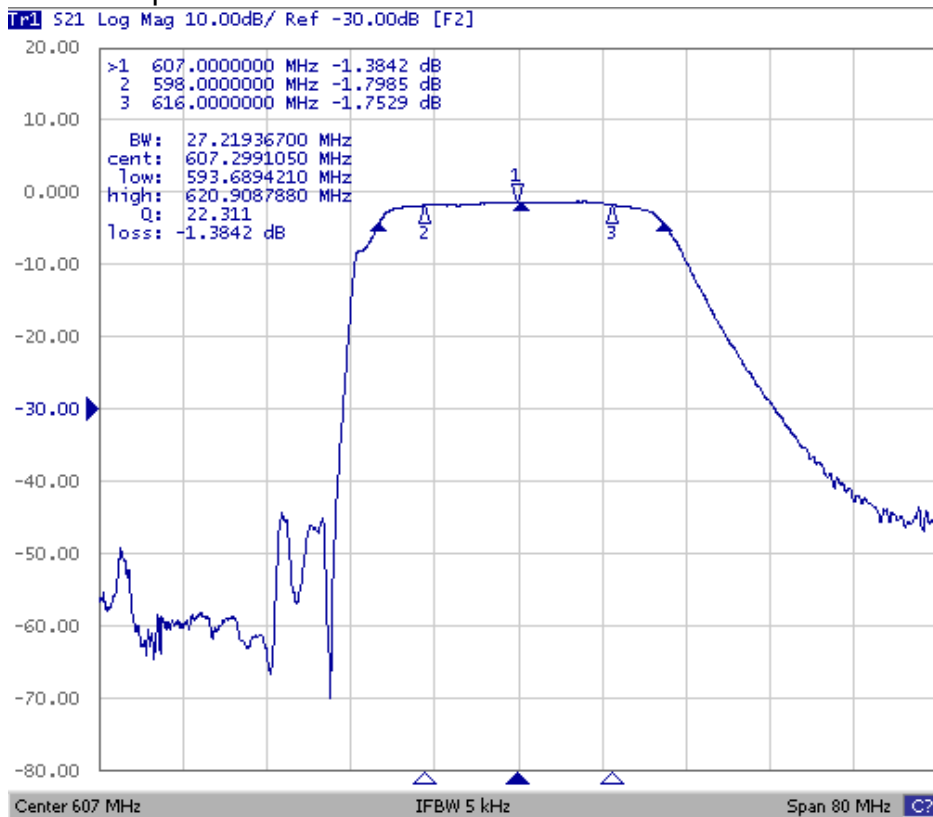


F. Frequency Characteristics :

(1) Wideband response:



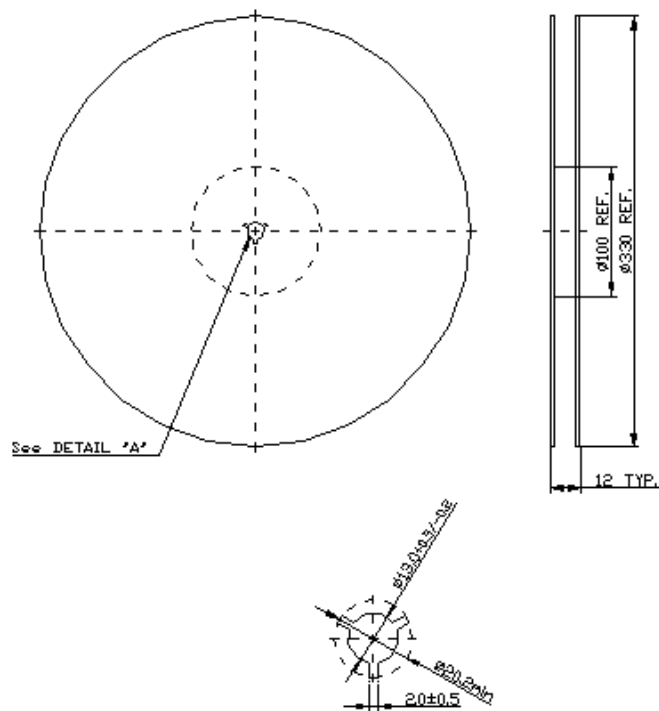
(2) Narrowband response:



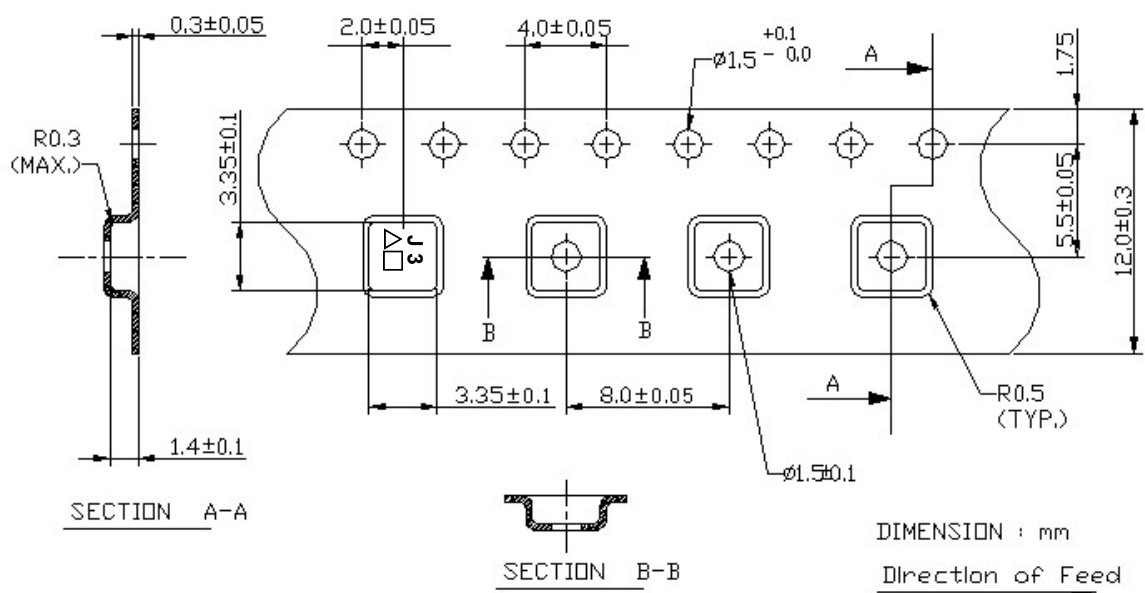
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7"=1000 ; 13"=3000)



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

