



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 Specification Approval Sheet

Product Name: SAW Filter 2462 MHz SMD 3.0X3.0 mm (BW=38 MHz)

TST Parts No.: TA0957B

Customer Parts No.: _____

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

Checked by: _____ Anne Chen *Anne Chen*

Approved by: _____ Andy Yu *Andy Yu*

Date: _____ 08, 21, 2018

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 2462 MHz

MODEL NO.:TA0957B

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 16 dBm
2. DC Voltage : 3V
3. Operating Temperature: -5°C to +70°C
4. Storage Temperature: -40°C to +95°C
5. Moisture Sensitivity Level: Level 1
6. ESD 50V(MM) 100V(HBM)

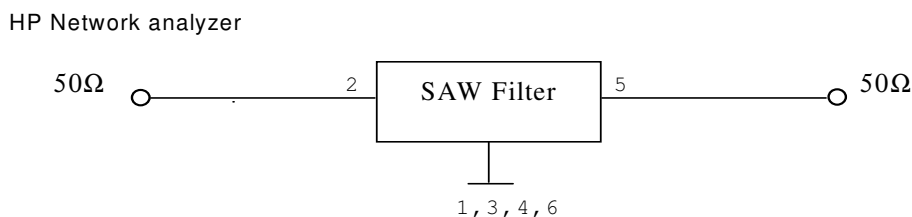
RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

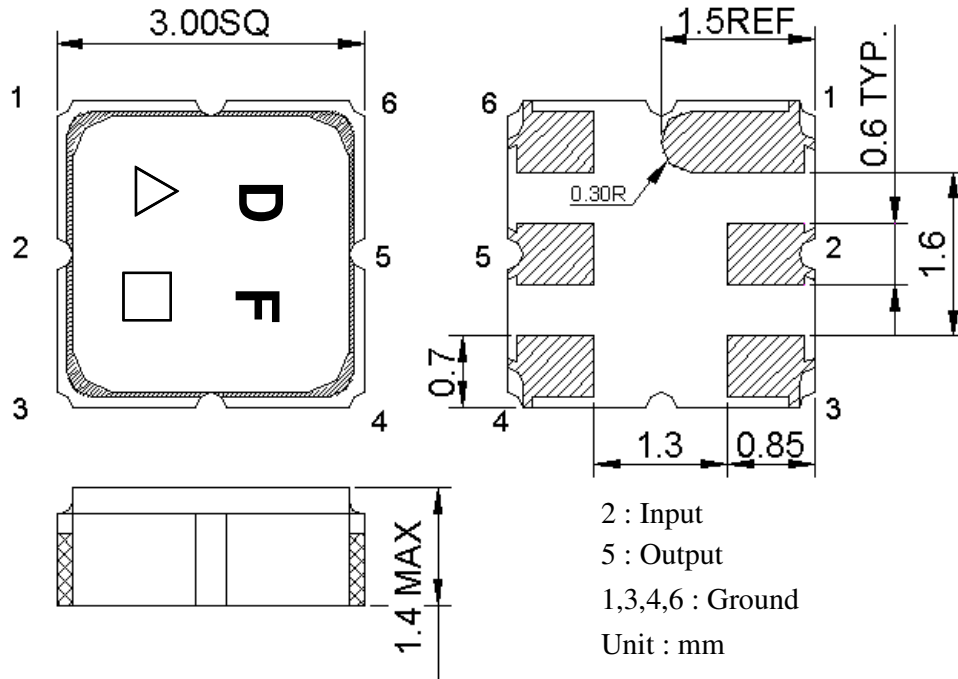
B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	2462	-	-
Pass Band Frequency	MHz	2443	-	2481	-
Insertion Loss 1 (2453 ~ 2471 MHz) IL	dB	-	3	3.5	-
Insertion loss 2 (other frequency within pass band)	dB	-	3.2	4	-
Amplitude Ripple (2443 ~ 2481 MHz)	dB	-	1.2	2.5	-
Return Loss (2443 ~ 2481 MHz)	dB	9.2	13	-	-
Attenuation (Reference level from 0 dB)					
800 ~ 2170 MHz	dB	40	41.7	-	-
2170 ~ 2300 MHz	dB	30	47	-	-
2300 ~ 2390 MHz	dB	30	35	-	-

C. MEASUREMENT CIRCUIT:



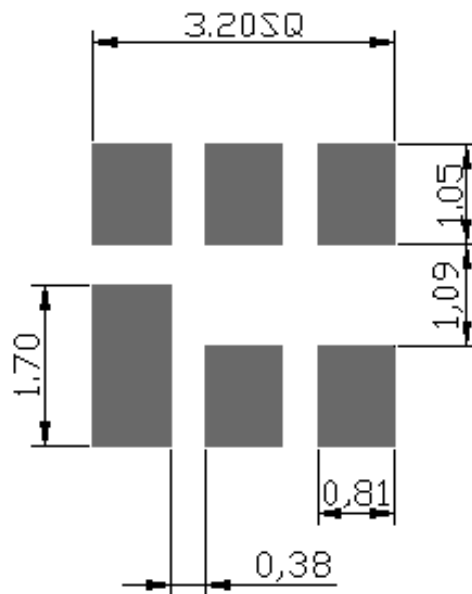
D.OUTLINE DRAWING:



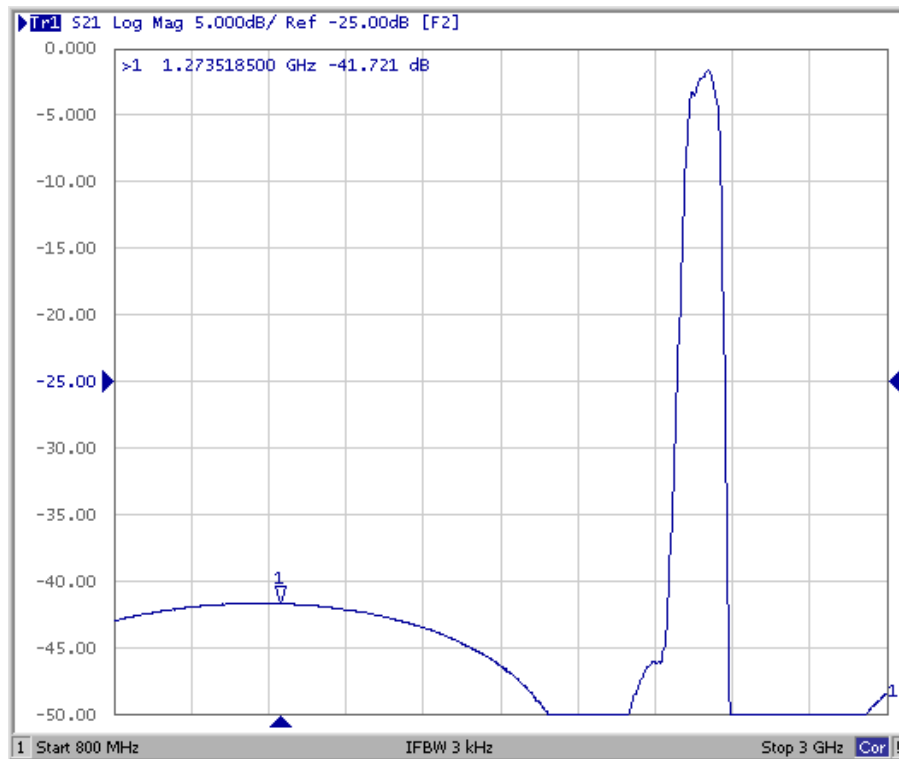
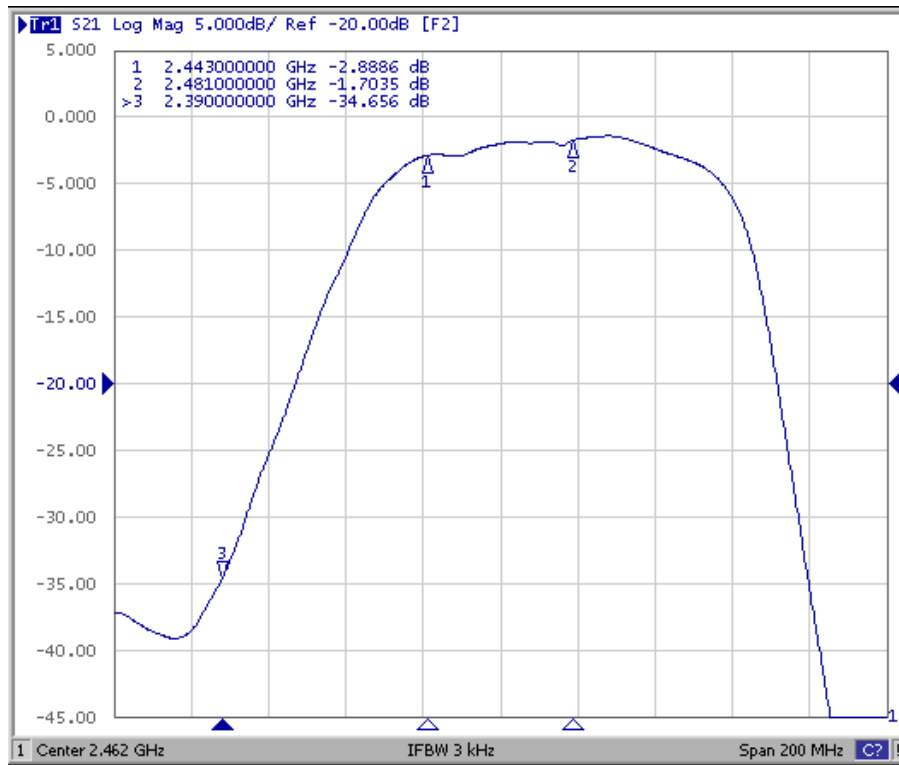
△ : Year Code (2016->6, ..., 2019->9)

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

E. PCB Footprint:

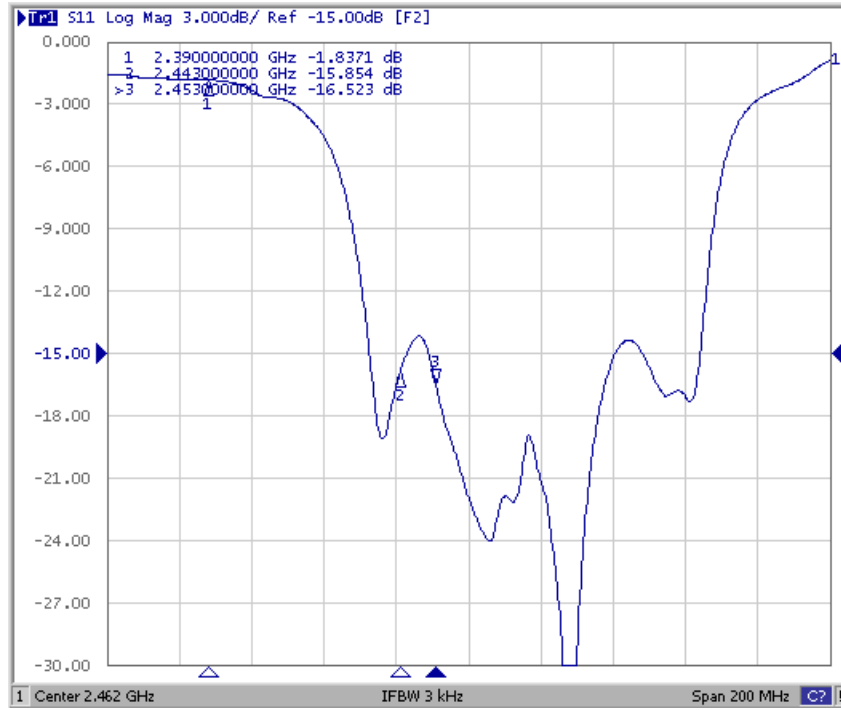


F. Frequency Characteristics :

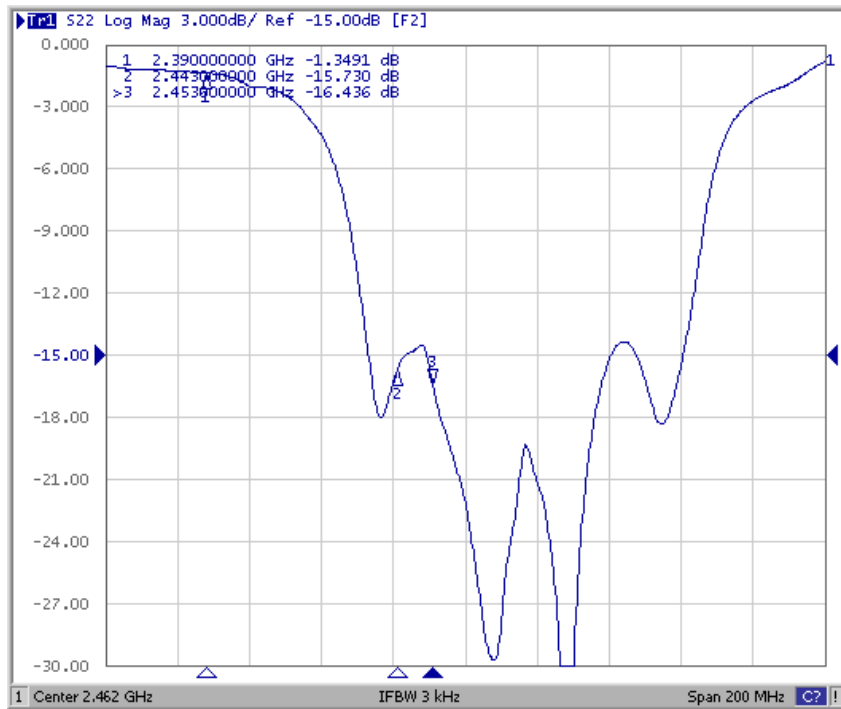


Reflection Functions :

S11



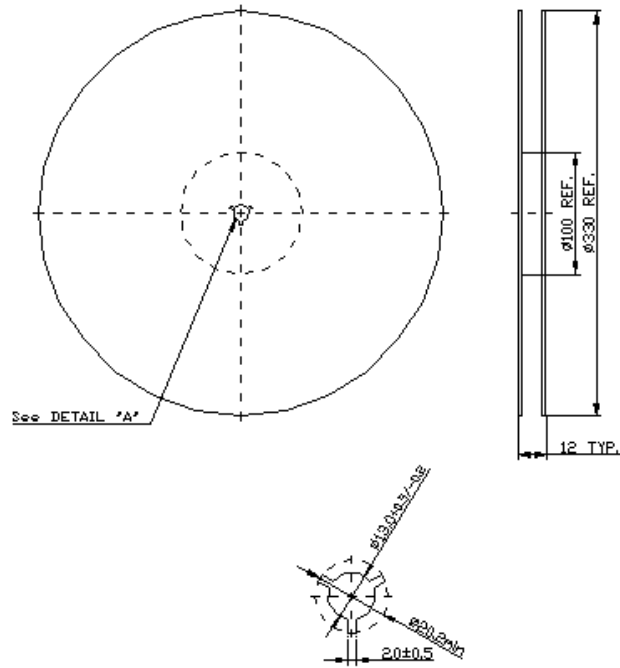
S22



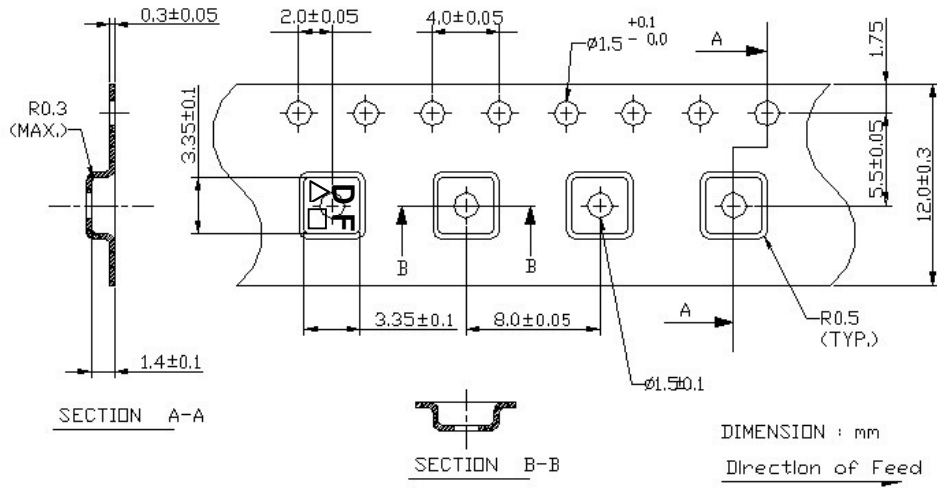
G. PACKING:

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 245~260°C peak (min. 10sec).
4. Time : 2 times.

