



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 1237 MHz SMD 3.0X3.0 mm(BW=40MHz)

TST Parts No.: TA0836B

Customer Parts No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Anne Chen 

Approved by: _____ Bob Chau 

Date: _____ 01, 27, 2016

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 change



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SAW Filter 1237 MHz

MODEL NO.:TA0836B

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 18 dBm
2. DC Voltage : 3V
3. Operating Temperature: -50°C to +60°C
4. Storage Temperature: -50°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

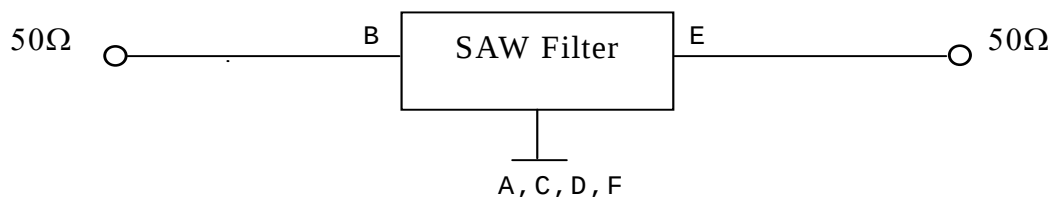
Electrostatic Sensitive Device

B. ELECTRICAL CHARACTERISTICS:

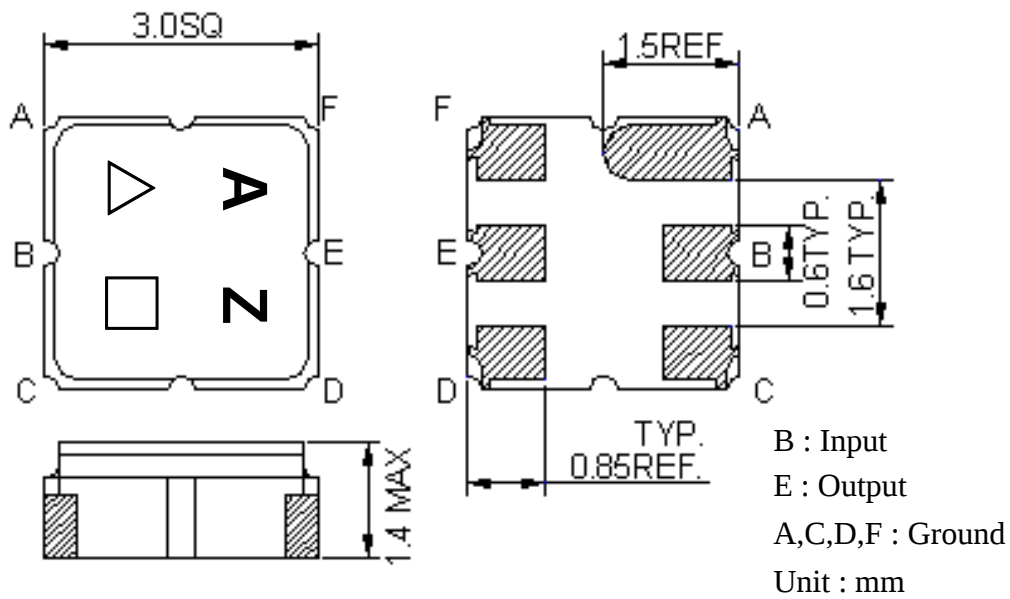
Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	1237	-	-
Min. Insertion loss IL	dB	-	2.4	3	-
Bandwidth @ -1 dB	MHz	-	46	-	-
Bandwidth @ -1.5 dB	MHz	40	51	-	-
Attenuation (Reference level from 0 dB)					
Fc - 60 MHz	dB	30	60	-	-
Fc - 50 MHz	dB	20	50	-	-
Fc + 50 MHz	dB	20	30	-	-
Fc + 60 MHz	dB	30	38	-	-
Temperature Coefficient of Frequency	Ppm/°C	-	-36	-	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer



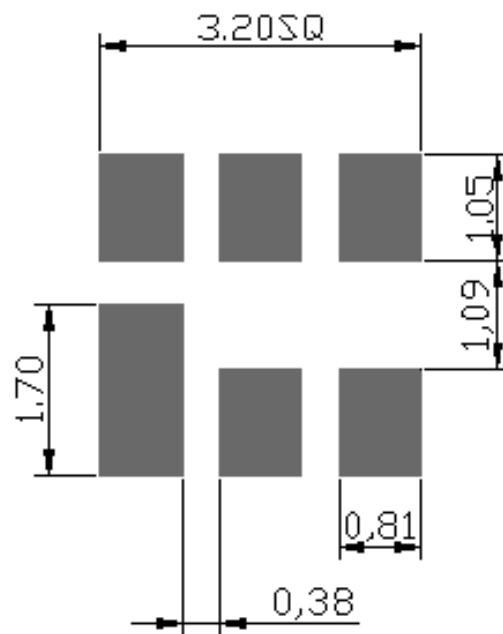
D.OUTLINE DRAWING:



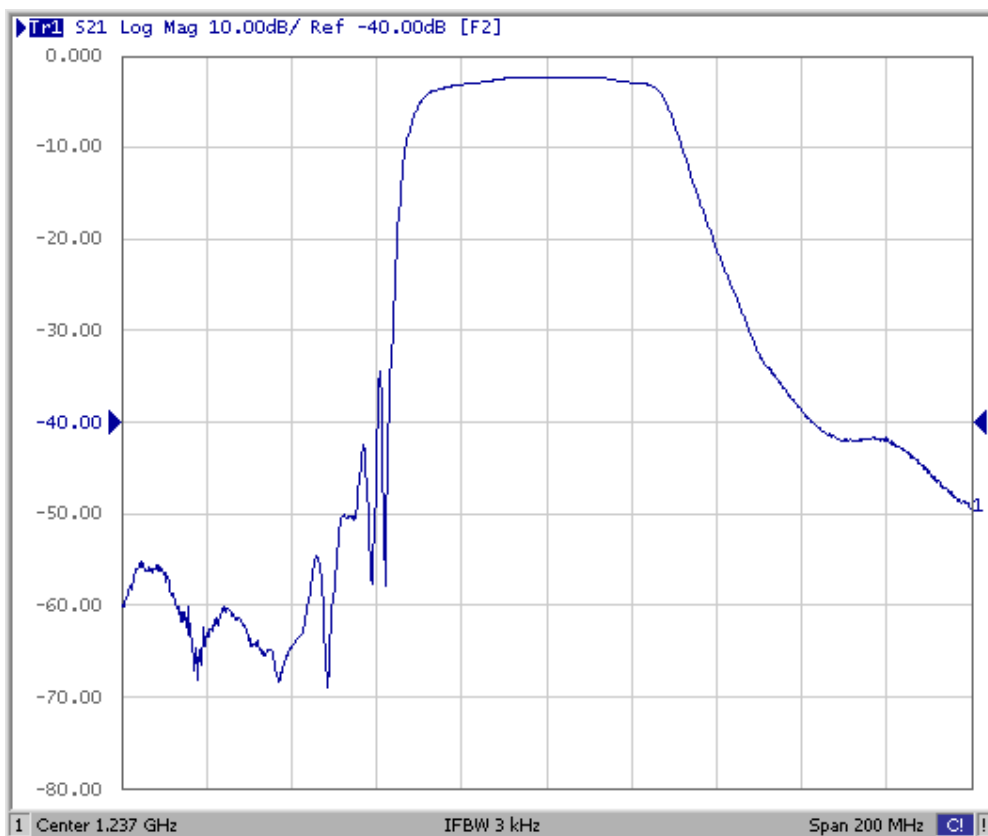
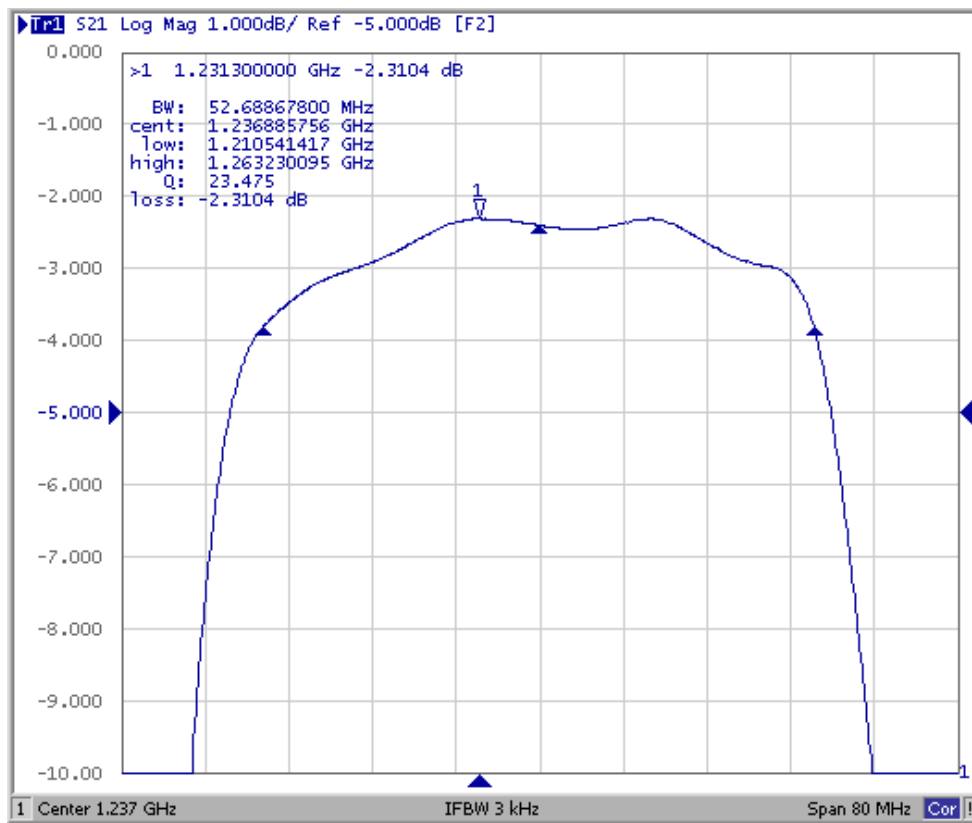
△ : Year Code (2010->0, ..., 2019->9)

□ : Date Code (Follow the table from planner each year)

E. PCB Footprint:



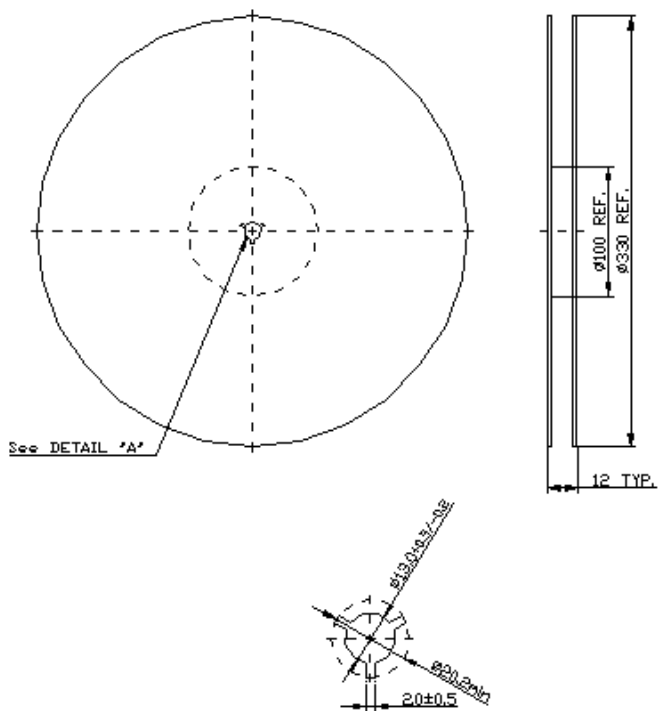
F. Frequency Characteristics :



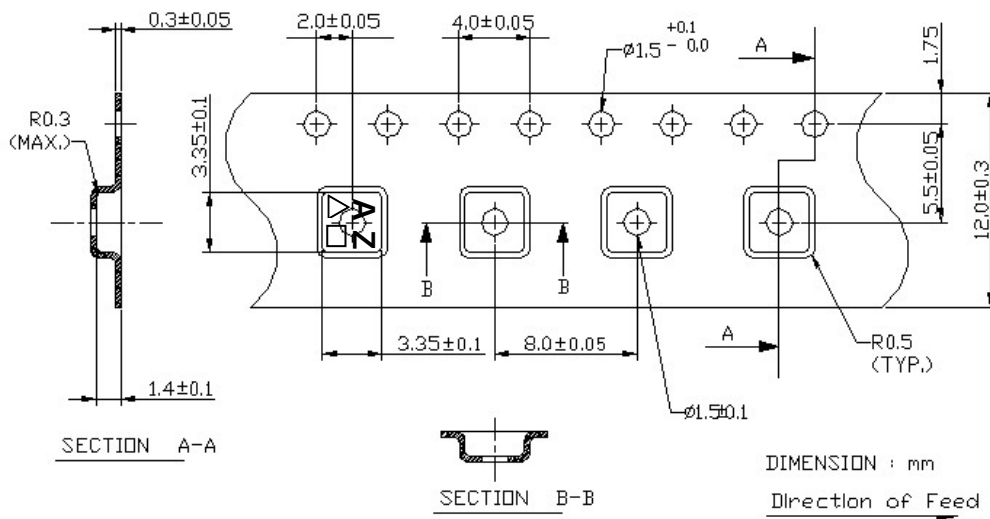
G. PACKING:

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

