



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 Name: SAW Filter 868 MHz SMD 3.0×3.0 mm (BW=10 MHz)

TST Parts No.: TA2244A

Customer Parts No.: _____

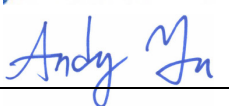
Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Anne Chen 

Approved by: _____ Andy Yu 

Date: _____ 11/17/2017

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

4.



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SAW Filter 868 MHz

MODEL NO.:TA2244A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 18 dBm
2. DC Voltage : 3V
3. Operating Temperature: 30°C to +85°C
4. Storage Temperature: -30°C to +85°C
5. Moisture Sensitivity Level: Level 1

RoHS Compliant
Lead free
Lead-free soldering

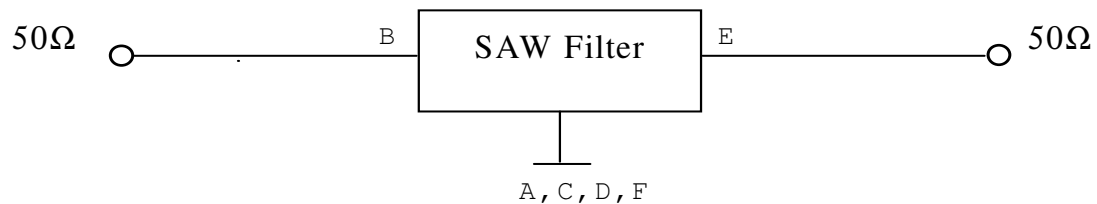
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

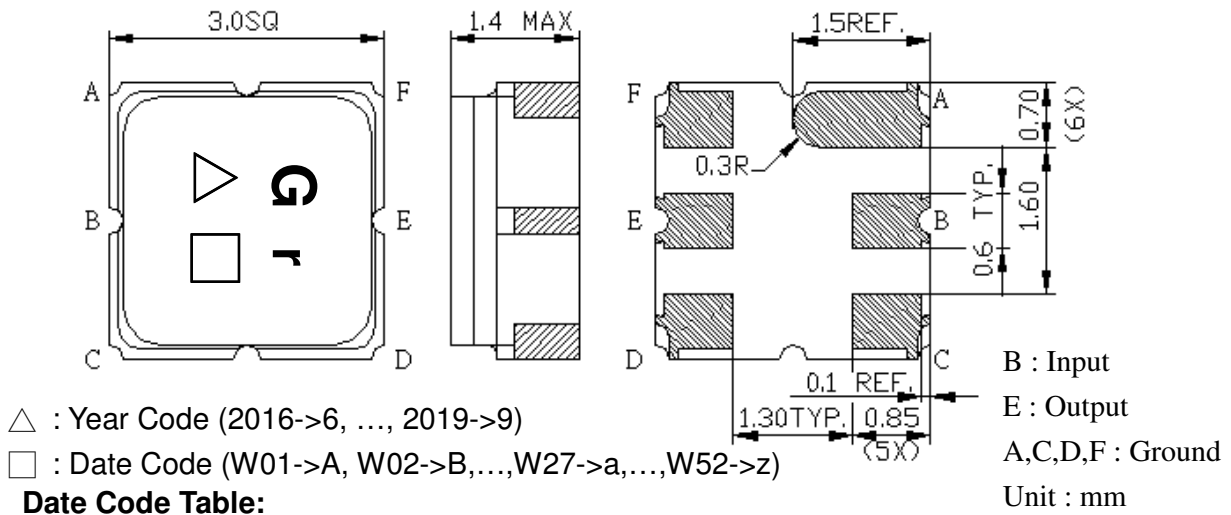
Item	U nit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	868	-	-
Insertion Loss (863~873 MHz) IL	dB	-	1.9 @ 25C	4.0 @ operation temp	-
Amplitude ripple (863~873 MHz)	dB	-	0.7	2.8	-
Attenuation (reference level from 0 dB)					
DC ~ 750 MHz	dB	34	40	-	-
880 MHz	dB	3.5	19	-	-
1000 ~ 2000 MHz	dB	34	40	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

C. MEASUREMENT CIRCUIT:

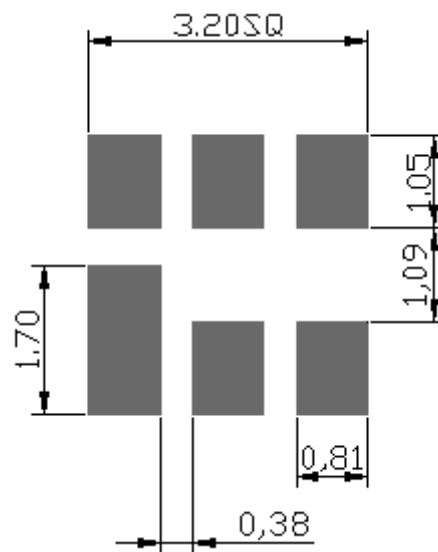
HP Network analyzer



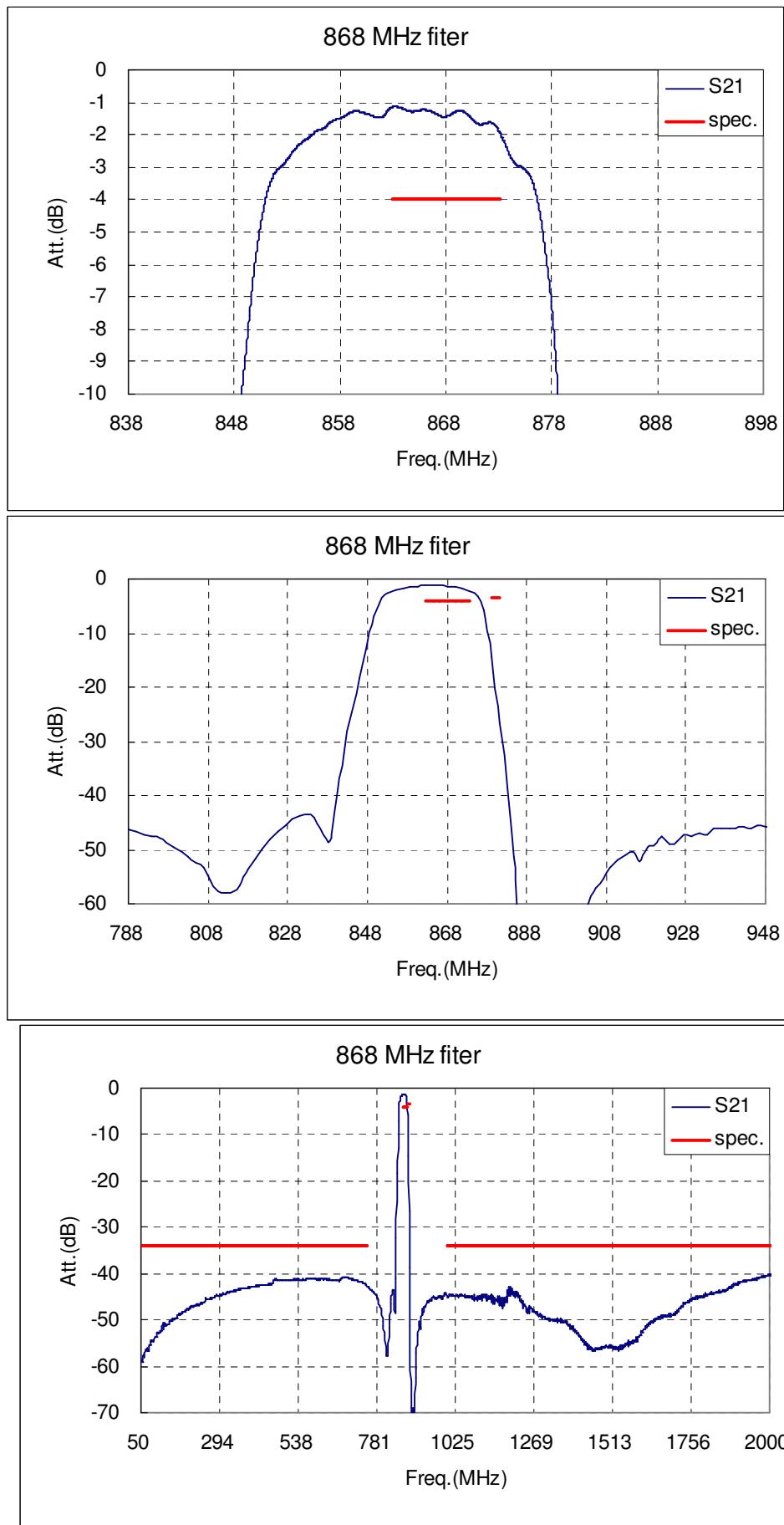
D. OUTLINE DRAWING:



E. PCB Footprint:



F. Frequency Characteristics: (Simulations)



(Please refer to FR-75D10 for packing quantity)



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.

