



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 Description: SAW Filter 433MHz SMD 5.0×5.0 mm(BW=8 MHz)

TST Parts No.:TA0286A

Customer Parts No.: _____

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

Checked by: _____ Anne Chen *Anne Chen*

Approved by: _____ Andy Yu *Andy Yu*

Date: _____ 05, 20, 2019

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 433 MHz

MODEL NO.: TA0286A

REV. NO.:4

A. MAXIMUM RATING:

1. Input Power Level: 15 dB_m
2. DC voltage: 10 V
3. Operating Temperature: -10°C to +50°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level 1 (MSL 1)
6. ESD 100V(MM) 200V(HBM)

RoHS Compliant
Lead free
Lead-free soldering

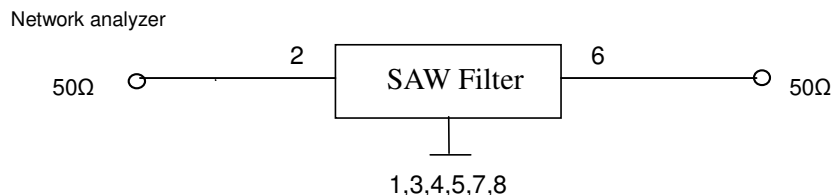
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

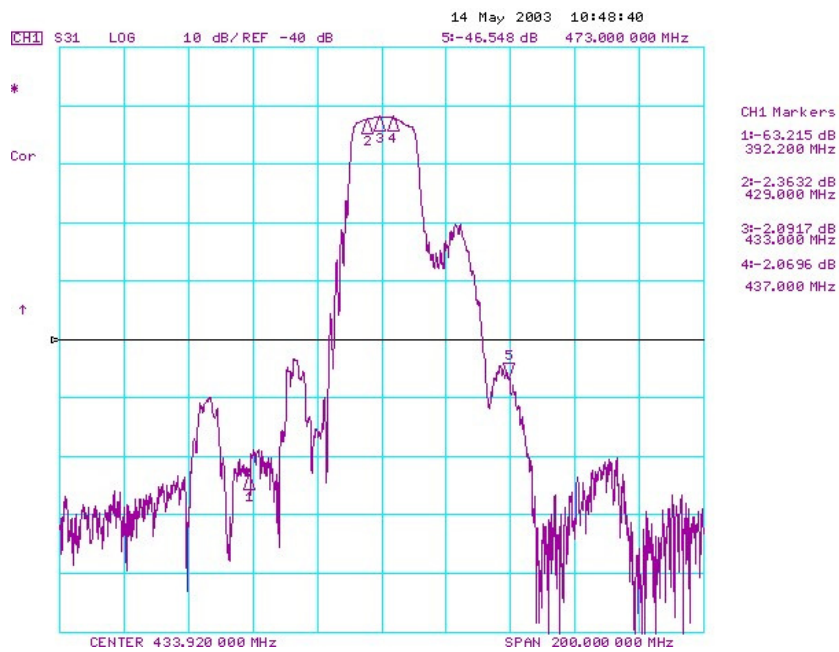
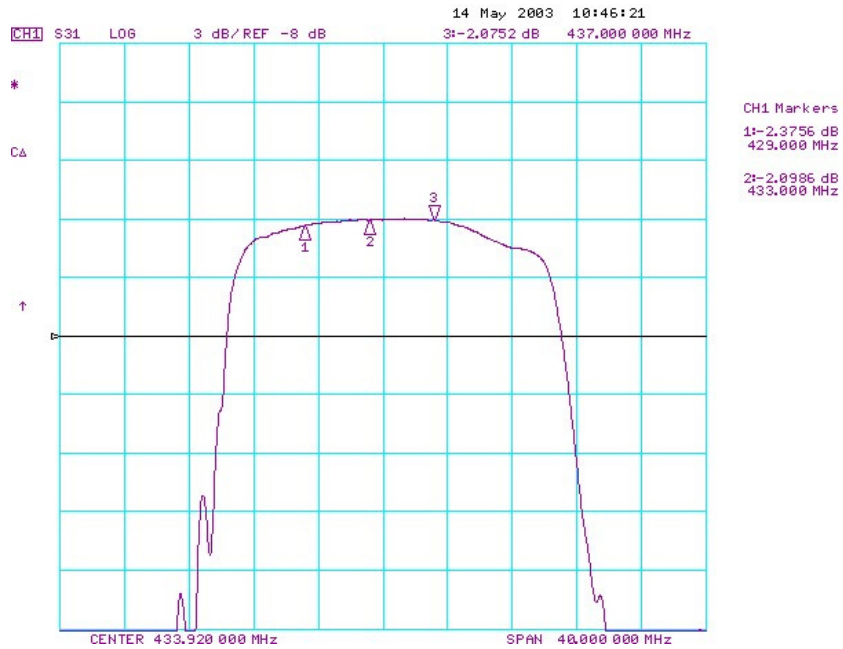
Item	Min.	Typical	Max.
Center frequency F_c (dB)	-	433	-
Insertion loss ($F_C \pm 4$ MHz) IL (dB)	-	2.7	3.5
Amplitude ripple ($F_C \pm 4$ MHz) (dB)	-	0.7	2.5
Attenuation (Reference level from 0 dB)			
$F_C - 100 \sim F_C - 40.8$ MHz (dB)	42	50	-
$F_C + 40 \sim F_C + 100$ MHz (dB)	40	46	-
Source impedance Z_s (Ω)	-	50 Ω //0pF	-
Load impedance Z_L (Ω)	-	50 Ω //0pF	-

Note1. The standard definitions is in JIS C 6703

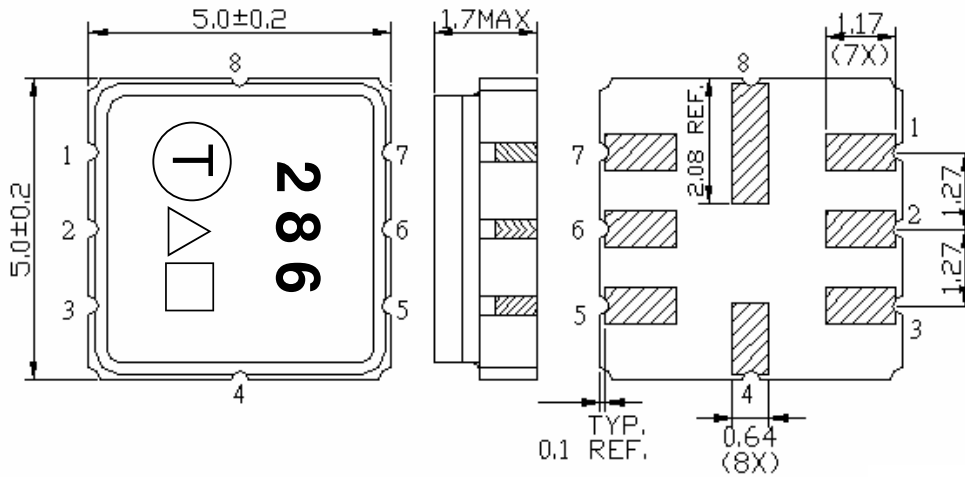
C. MEASUREMENT CIRCUIT:



D. FREQUENCY CHARACTERISTICS:



E.OUTLINE DRAWING:



Marking name :286

△ : year code

□: Week Code. 01 for W01, 02 for W02 ,,52 for WK52.

#2 : Input

#6 : Output

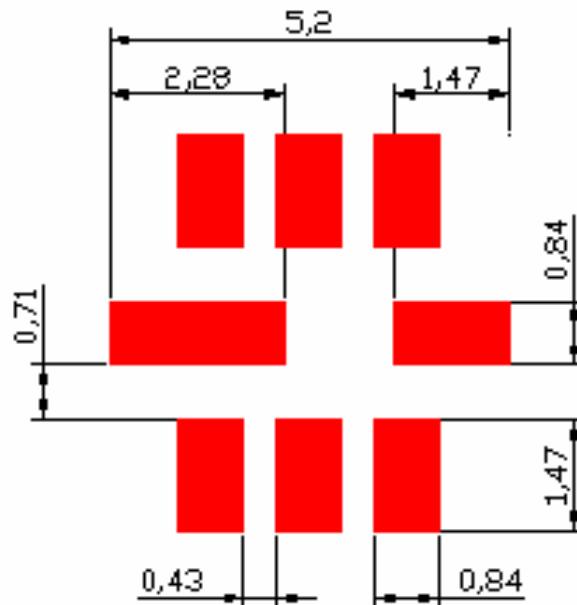
1, 3, 4, 5, 7, 8: Ground

Unit: mm

Product Year Code

Year	2017	2018	2019	2020
	2021	2022	2023	2024
Product Code	A	a	<u>A</u>	<u>a</u>

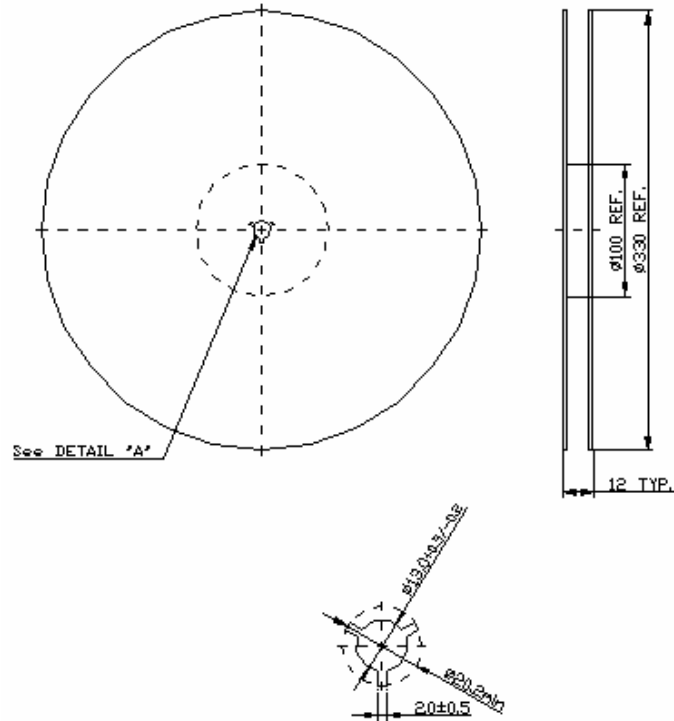
F.PCB FOOTPRINT:



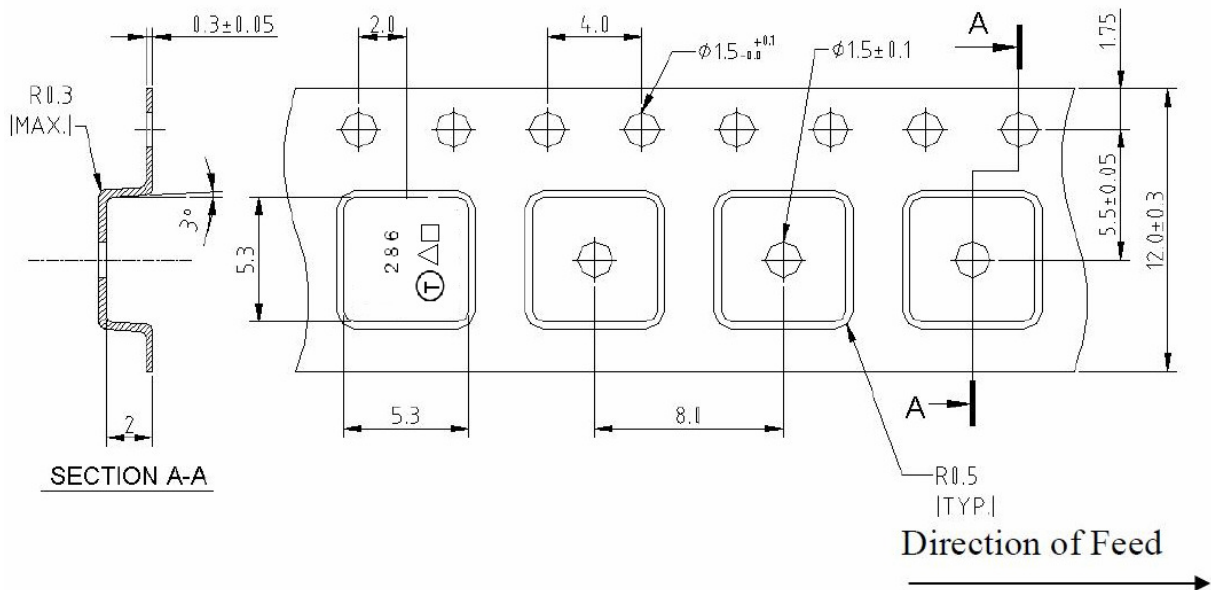
G. PACKING:

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.

