



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

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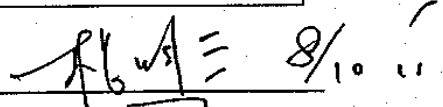
Product Specifications Approval Sheet

Product Description: SAW Filter 460 MHz SMD 3.8x3.8 mm

TST Part No.: TA1010B

Customer Part No.: _____

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

Checked by: _____ Michael Yang 

Approved by: _____ Francis Chen 

Date: _____ 2011/08/8

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 460 MHz

MODEL NO.: TA1010B

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 5 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

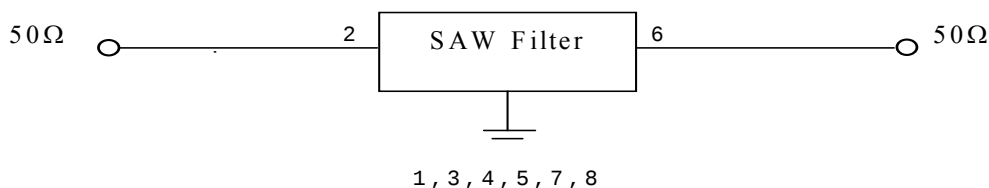
Item	Unit	Min	Type	Max
Center frequency Fc	MHz	-	460	-
Insertion loss (450~470 MHz) IL	dB	-	2.4	3.5 ¹⁾
Amplitude Ripple (450~470 MHz)	dB	-	0.9	2.4 ²⁾
Return loss (450~470 MHz)	dB	8	10	-
Attenuation (Reference level from 0 dB)				
0.3 ~ 300 MHz	dB	40	45	-
300 ~ 380 MHz	dB	40	45	-
380 ~ 430 MHz	dB	35	40	-
504.825 ~ 524.825 MHz	dB	25	35	-
559.65 ~ 579.65 MHz	dB	40	45	-
669.3 ~ 689.3 MHz	dB	45	50	-
689.3 ~ 1000 MHz	dB	30	35	-
Temperature Coefficient of Frequency	dB ppm/°C	-	-36	-

1) 2.4dB at 25°C; 3.2dB for -30°C to +60°C

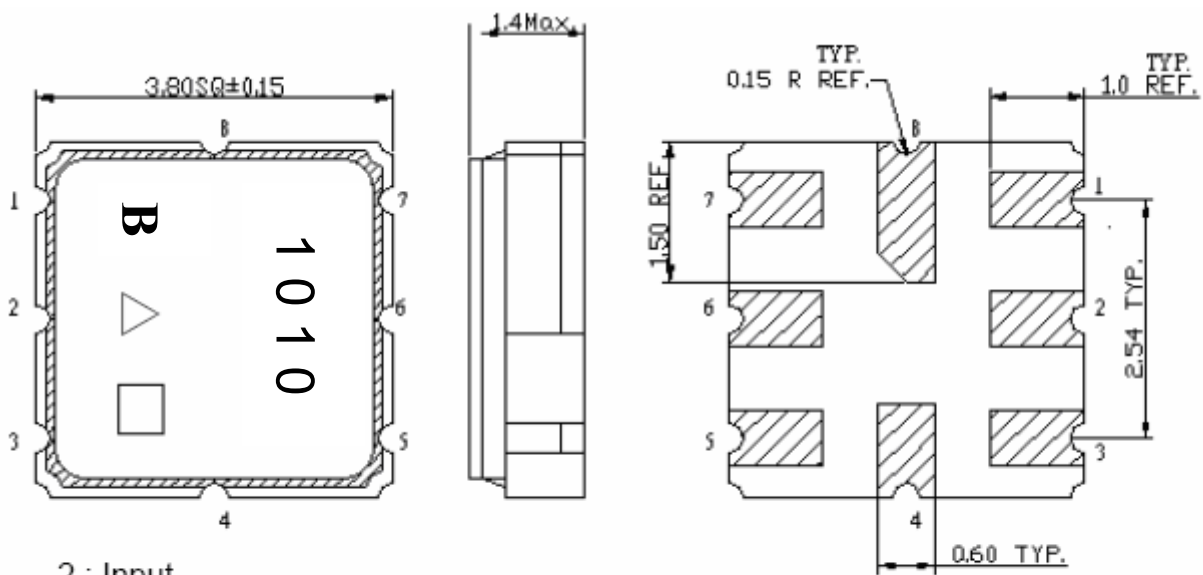
2) 1.1dB at 25°C; 2.2dB for -30°C to +60°C

C. MEASUREMENT CIRCUIT:

HP Network analyzer



D.OUTLINE DRAWING:



2 : Input

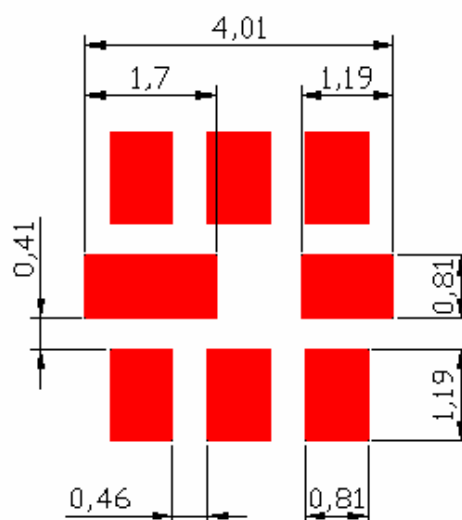
6: Output

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

△ : Year Code(2010→0,2011→1...2019→9)

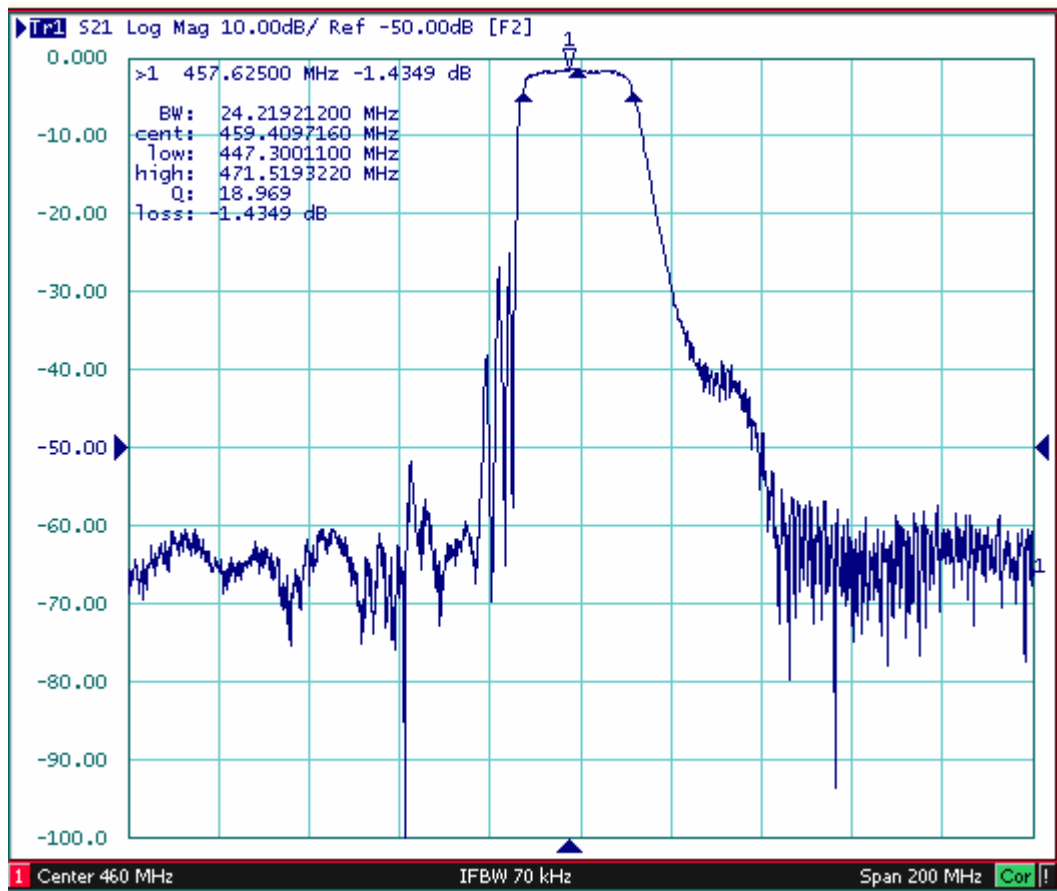
□ : Date Code(Follow the table from planner each year)

E. PCB Footprint:

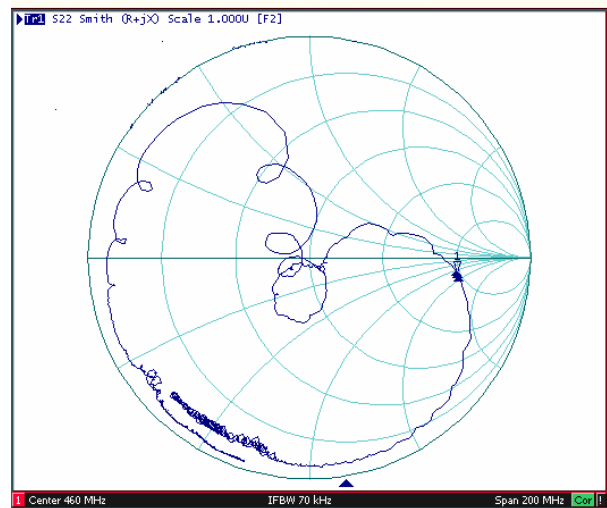
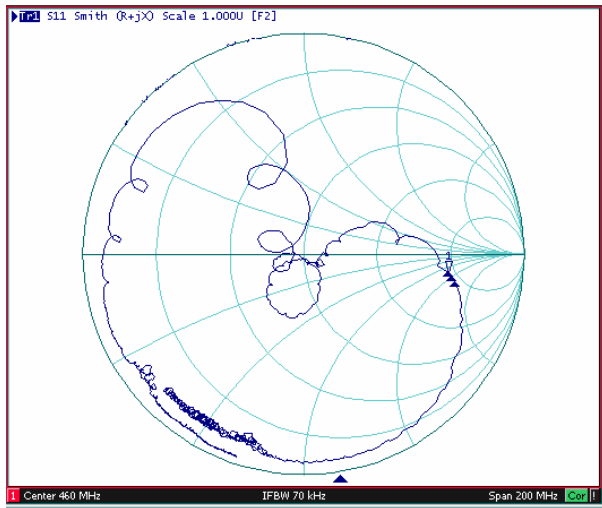


F. Frequency Characteristics:

1、S21_Measurement :

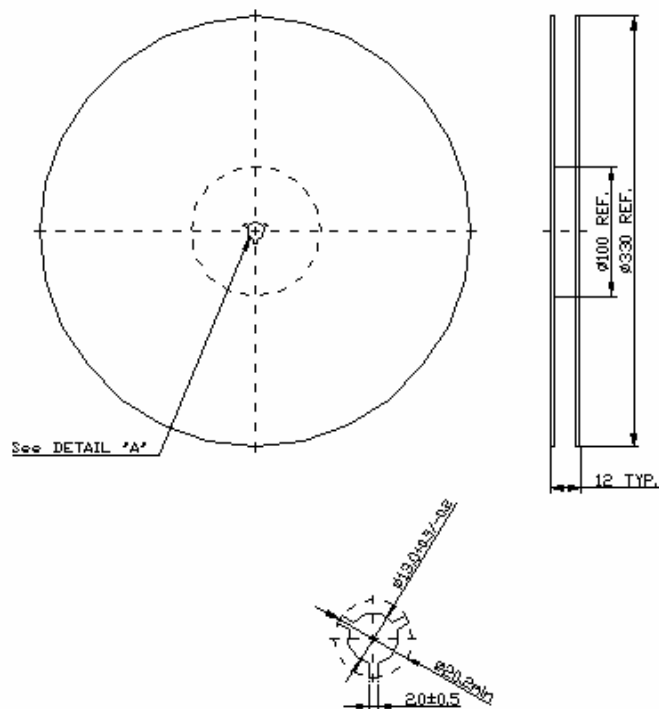


2、S11/S22 Measurement :

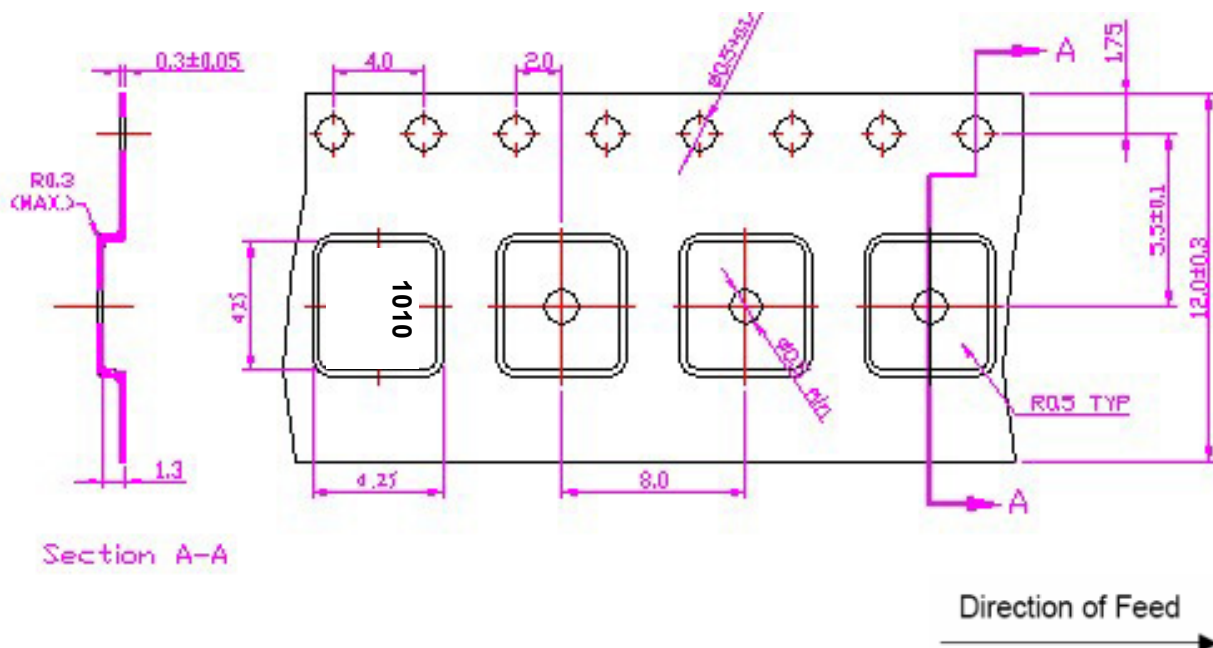


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

TAI-SAW TECHNOLOGY CO., LTD.

TST DCC
Release document

