



# TAI-SAW TECHNOLOGY CO., LTD.

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## Approval Sheet For Product Specification

Issued Date:

Product Name: IF SAW Filter 465 MHz

TST Parts No.:TB0206A

Customer Parts No.: \_\_\_\_\_

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: \_\_\_\_\_ Andy Lee

Approval by: \_\_\_\_\_ Francis Chen

Date: \_\_\_\_\_ 2004/01/07



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## IF SAW Filter 465 MHz SMD 5X5mm

MODEL NO.: TB0206A

REV. NO.2

### A. MAXIMUM RATING:

1. Operating Temperature: -0 (C ~ 70 (C
2. Storage Temperature: -40 (C ~ +85 (C

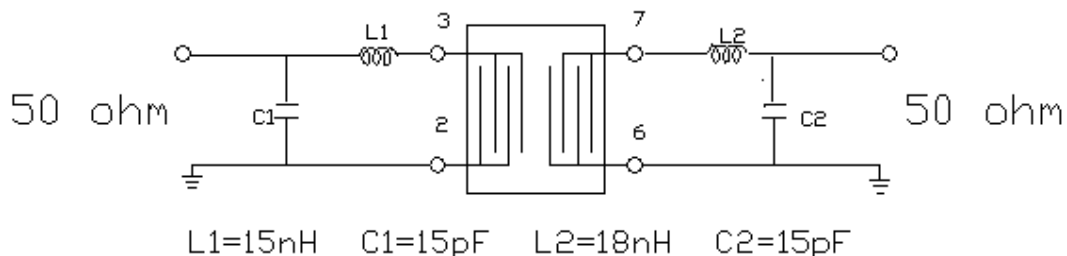
RoHS Compliant  
Lead free  
Lead-free soldering

### B. Characteristics :

1. Ambient Temperature: 25 (C

Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency $F_C$ MHz	-	465	-	-
Minimum Insertion loss I.L. dB	-	11.5	14	-
Lower 1 dB Bandedge MHz	-	453.8	456.7	-
Upper 1 dB Bandedge MHz	473.3	475.3	-	-
Passband Ripple (456.7~473.3MHz) dB	-	0.5	1	-
Group Delay Ripple (456.7~473.3MHz) dB	-	38	70	-
Input VSWR (456.7~473.3MHz)	-	1.2	2	-
Output VSWR (456.7~473.3MHz)	-	1.4	2	-
Attenuation:( Reference level from minimum insertion loss)				dB
1) 10 MHz....405 MHz	dB	45	54	-
2) 405 MHz ~ 440 MHz	dB	40	49	-
3) 490 MHz ~ 510 MHz	dB	40	47	-
4) 510 MHz ~ 580 MHz	dB	40	55	-

### C. Measurement Circuit:



## D. Frequency Characteristics :

### 1. S21 Response

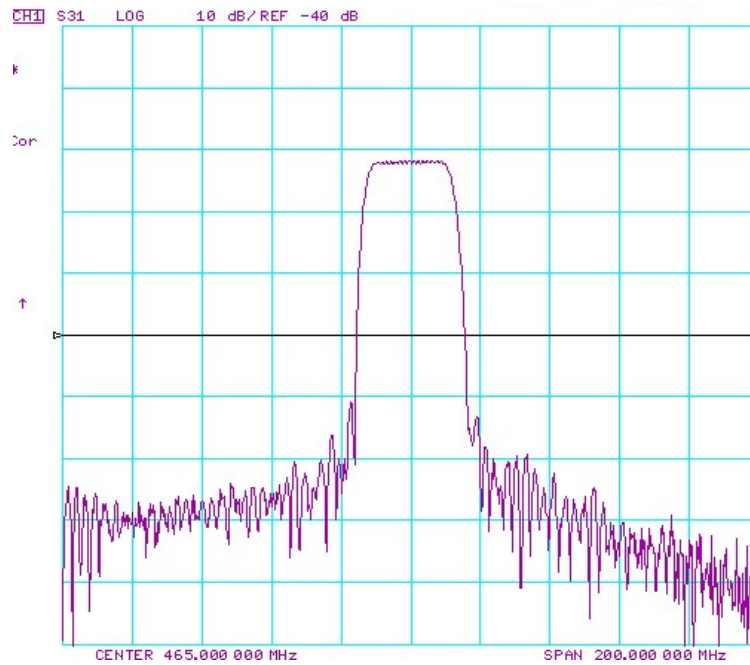


Fig1. Horizontal: 20MHz/Div Vertical: 10dB/Div

### 2. S21 Response (Group delay ripple of Passband)

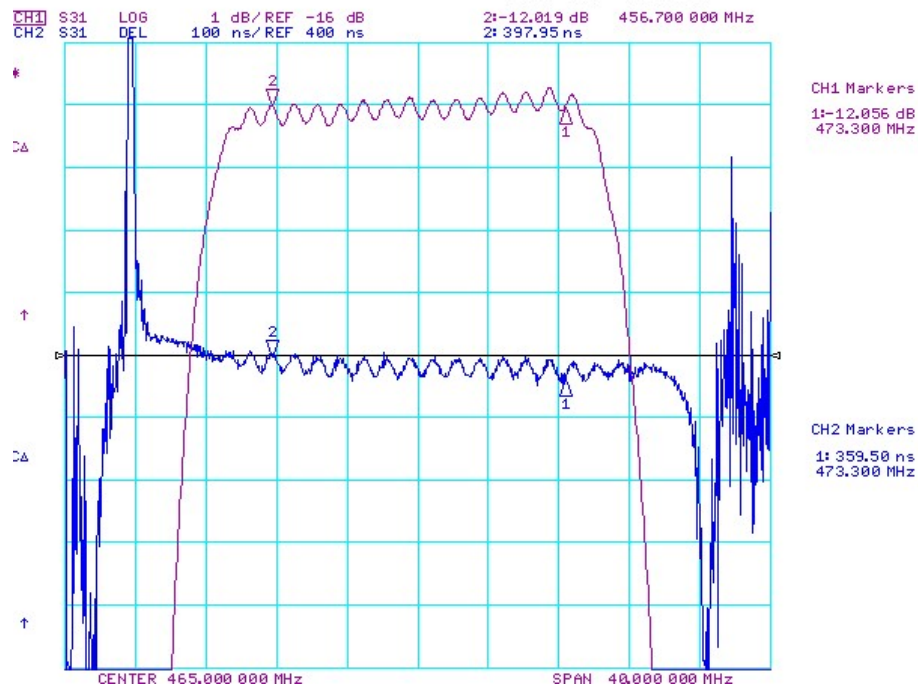


Fig2. Horizontal: 4MHz/Div Vertical: 1dB/Div  
Vertical: 100nS/Div

### 3. S21 Response (Wideband)

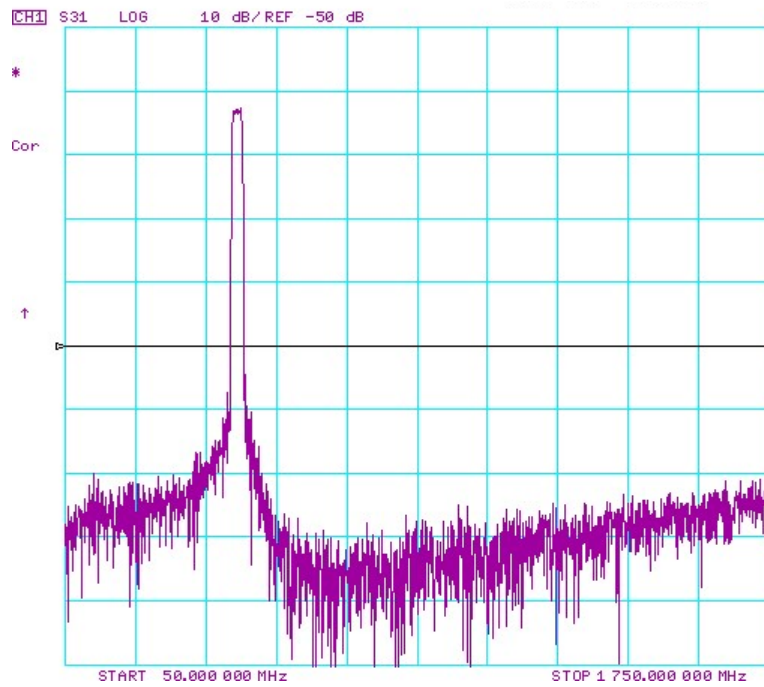
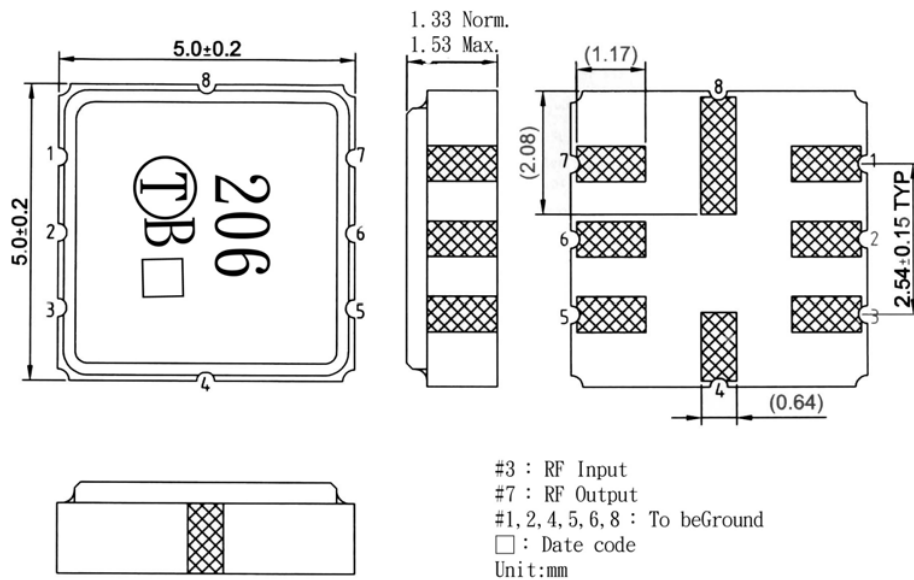


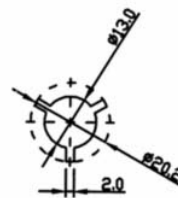
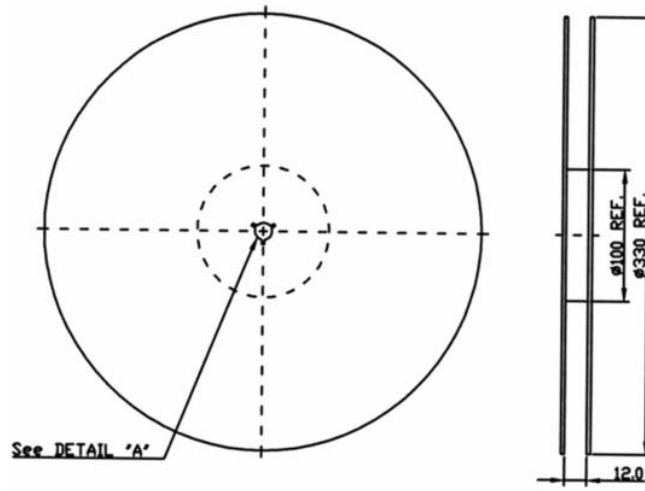
Fig3. Horizontal: 50MHz~1.75GHz Vertical: 10dB/Div

### E. Outline Drawing:



## F. PACKING:

### 1. REEL DIMENSION



### 2. TAPE DIMENSION

