



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date:

Product Name: IF SAW Filter 266.67 MHz

TST Parts No.:TB0220A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Andy Lee

Approval by:_____ Francis Chen

Date:_____ 2004/1/14



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IF SAW Filter 266.67 MHz SMD 7X5mm

MODEL NO.: TB0220A

REV. NO.1

A. MAXIMUM RATING:

1. Input power level: 0 dBm
2. Operating Temperature: -10 °C ~ +85 °C
3. Storage Temperature: -40 °C ~ +85 °C

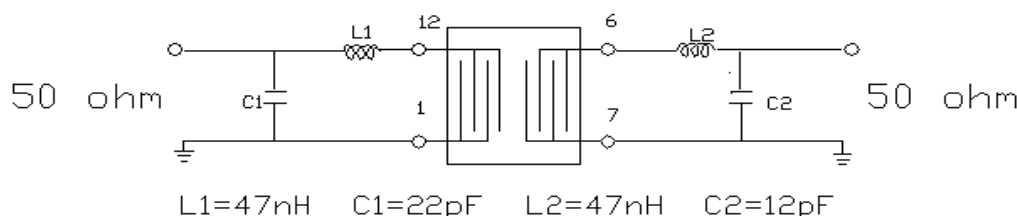
RoHS Compliant
Lead free
Lead-free soldering

B. Characteristics :

1. Ambient Temperature: 25 °C

Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency F_C MHz	-	266.67	-	-
Minimum Insertion loss I.L. dB	-	7.8	9	-
3dB Bandwidth MHz	4.5	5	-	
35dB Bandwidth MHz	-	9.4	10	
Passband Ripple (265.67~267.67MHz) dB	-	0.4	0.75	-
Phase linearity (265.67~267.67MHz)(rms) deg		2.67	4	
Group Delay Ripple (265.67~267.67MHz) nS	-	59	100	-
Attenuation:(Reference level from minimum insertion loss)				
1) DC ~ 252 MHz dB	40	46	-	-
2) 252 ~ 260.67 MHz dB	35	41	-	-
3) 272.67 ~ 280 MHz dB	35	41	-	-
4) 280 ~ 1000 MHz dB	40	47	-	-

C. Measurement Circuit:



D. Frequency Characteristics :

1. S21 Response

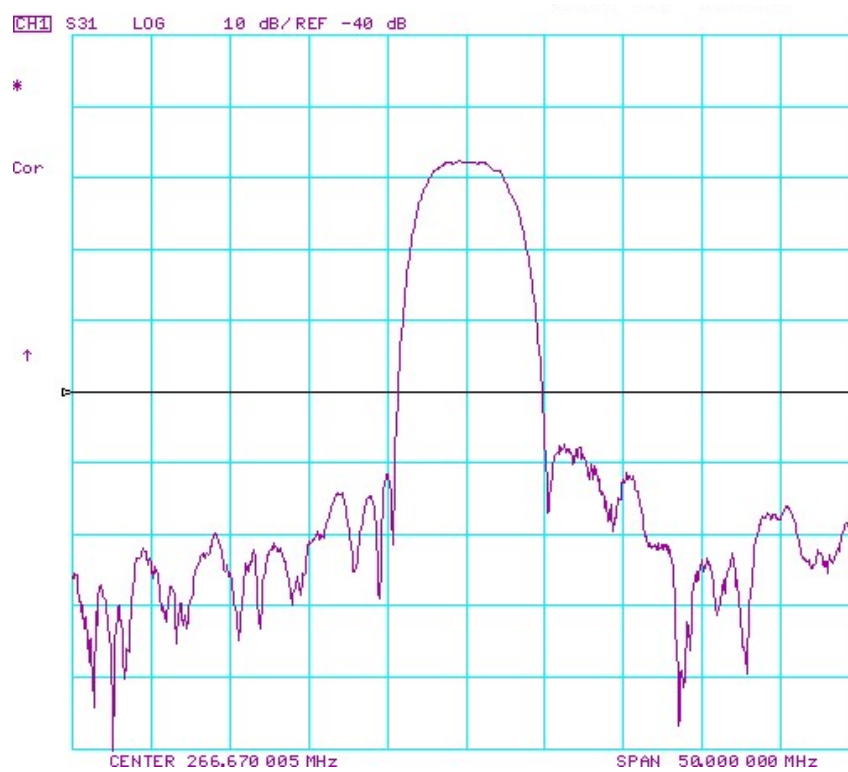


Fig1. Horizontal: 5MHz/Div Vertical: 10dB/Div

2. S21 Response (Group delay ripple of Passband)

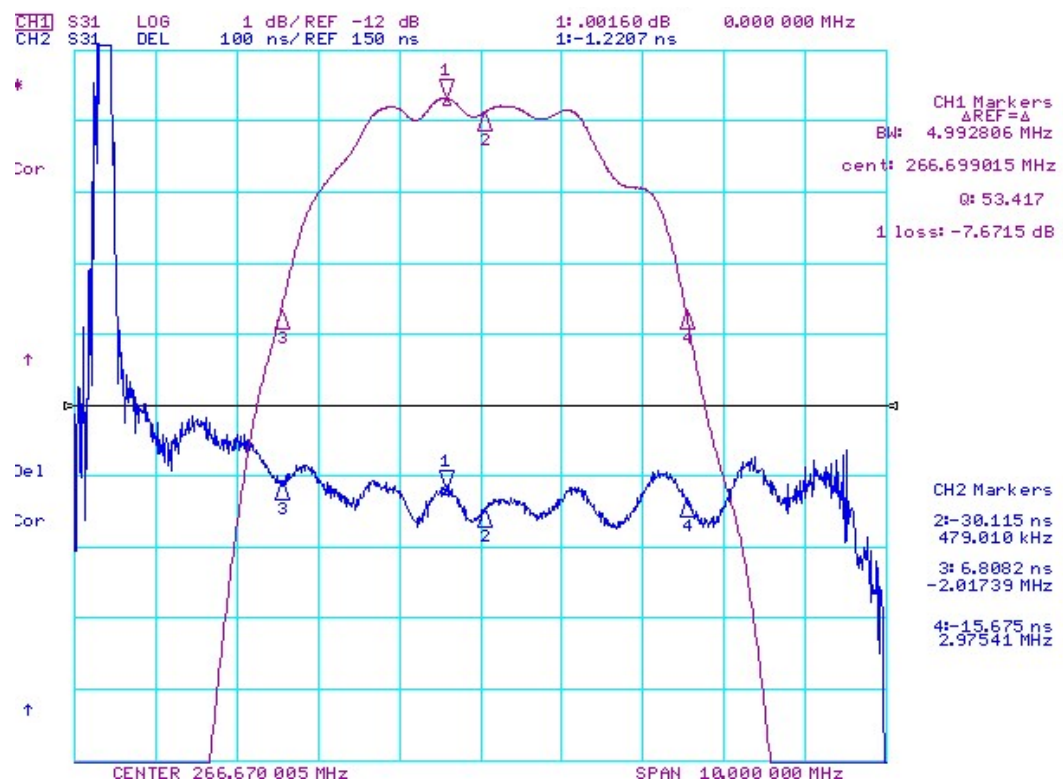


Fig2. Horizontal: 1MHz/Div Vertical: 1dB/Div
Vertical: 100ns/Div

3. S21 Response (Wideband)

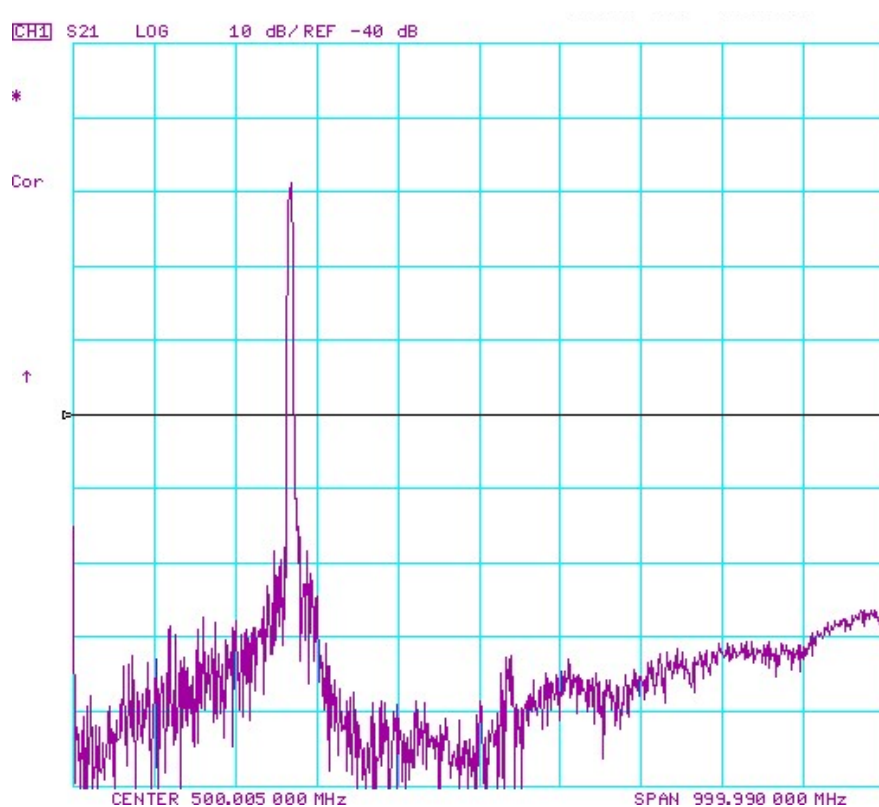
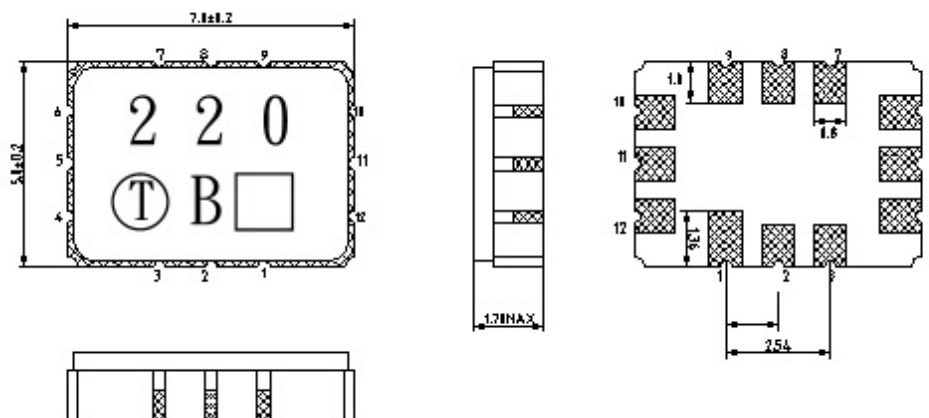


Fig3. Horizontal: 300 kHz~1GHz Vertical: 10dB /Div

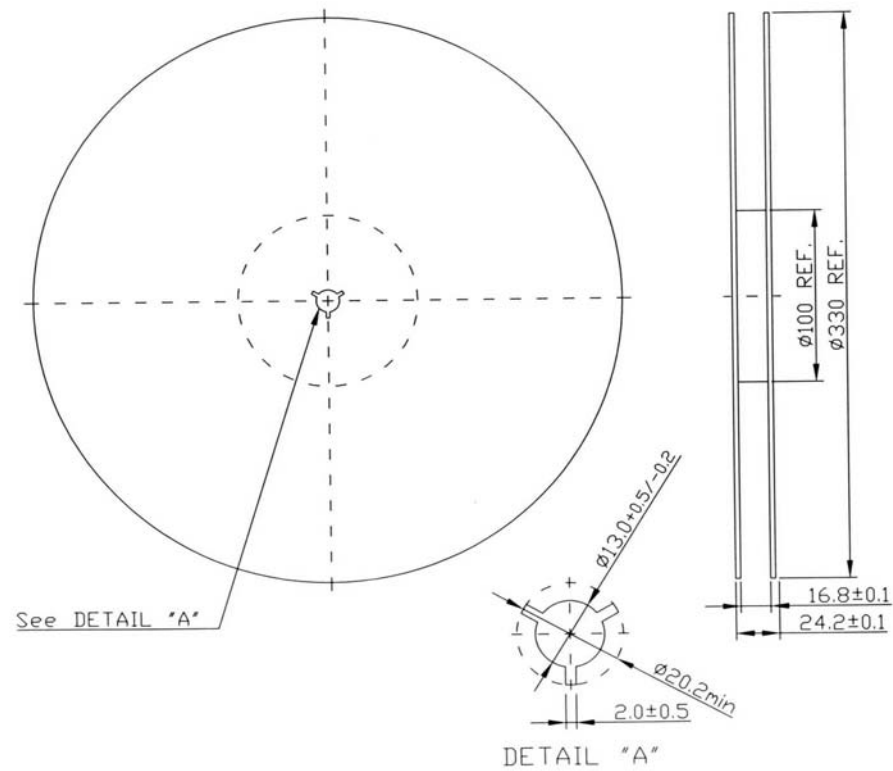
E. Outline Drawing:



Pin 12 : RF Input
 Pin 1 : RF Input Ground
 Pin 6 : RF Output
 Pin 7 : RF Output Ground
 Pin 2, 3, 4, 5, 8, 9, 10, 11 : To be Ground
 □ : Date code
 Unit : mm

F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

