



# TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,  
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## Approval Sheet For Product Specification

Issued Date:

Product Name: SAW IF Filter 374MHz

TST Parts No.: TB0135A

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

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

Checked by: \_\_\_\_\_ Kazuma Lee

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

Date: \_\_\_\_\_ 11,22 ,2006



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MODEL NO.: TB0135A

REV. NO.:7

## A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. Operating Temperature: -10°C to 85°C
3. Storage Temperature: -40°C to 85°C

RoHS Compliant  
 Lead free  
 Lead-free soldering

## B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center frequency, <b>F<sub>c</sub></b>	MHz	-	374	-	
Insertion Loss, <b>IL</b>	dB	-	8.5	10	
Passband width, <b>BW<sub>3</sub></b>	MHz	17	19.5	-	
Amplitude Ripple in F <sub>c</sub> ±7MHz	dB	-	0.6	1	
Group delay ripple in F <sub>c</sub> ±7MHz	nS	-	39	100	
Triple transit suppression	dB	30	37	-	
Attenuation:(Reference level from Min IL)					
F <sub>c</sub> -100 to -33MHz	dB	45	53	-	
F <sub>c</sub> -33 to -22MHz	dB	40	56	-	
F <sub>c</sub> -22 to -16.5MHz	dB	30	48	-	
F <sub>c</sub> +16.5 to +22MHz	dB	30	41	-	
F <sub>c</sub> +22 to +43 MHz	dB	35	43	-	
F <sub>c</sub> +43 to +80MHz	dB	40	45	-	

### C.FREQUENCY CHARACTERISTICS:

(1) wide band of Response:

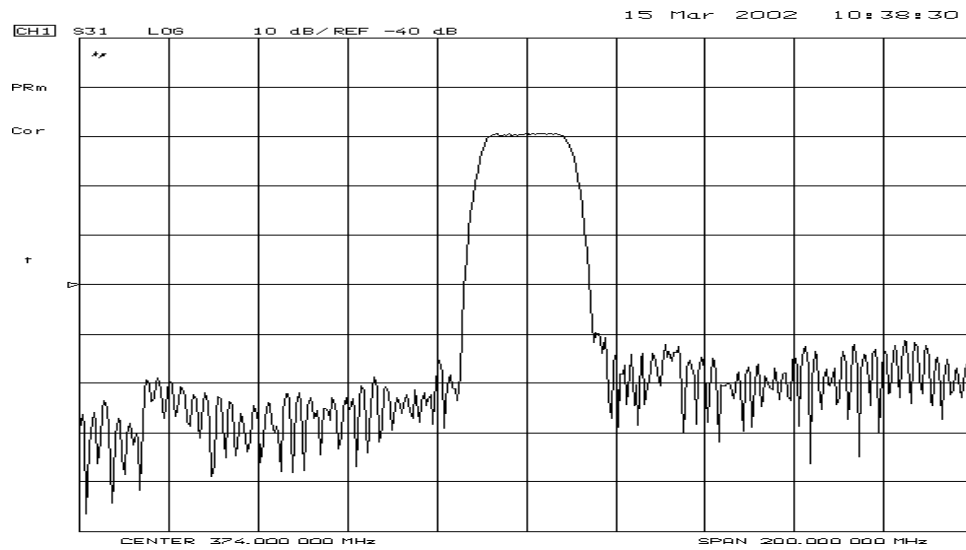


Fig.1 S21 Response REF. : -40dB Horizontal: 3MHz/Div  
Vertical: 10dB/Div

(2) Passband of Response:

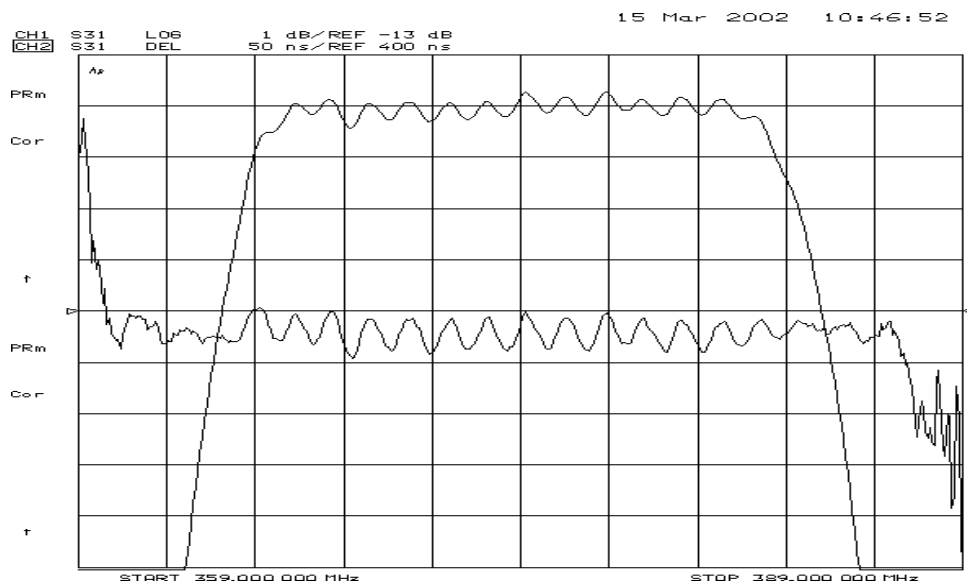
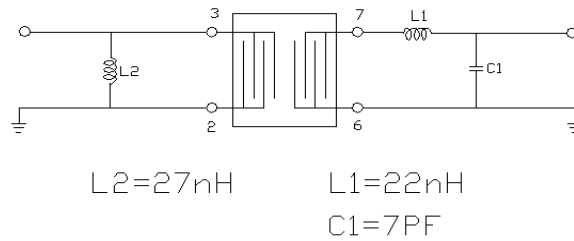


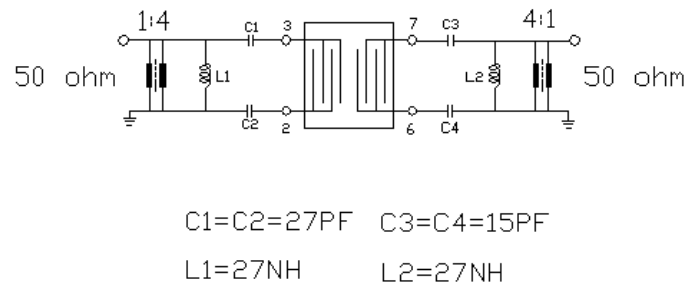
Fig.2 S21 Response Horizontal: 3MHz/Div  
Vertical: 1dB/Div, 50nS

**D. MEASUREMENT CIRCUIT:**

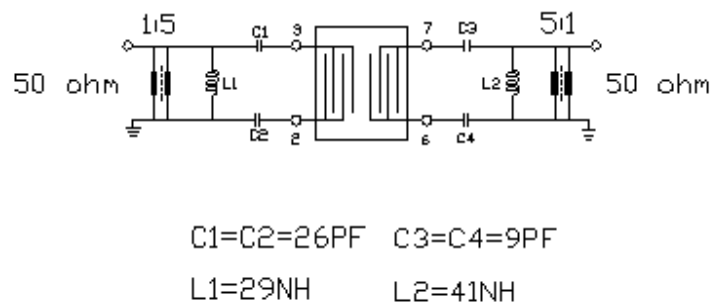
(1) 50Ω unbalanced:



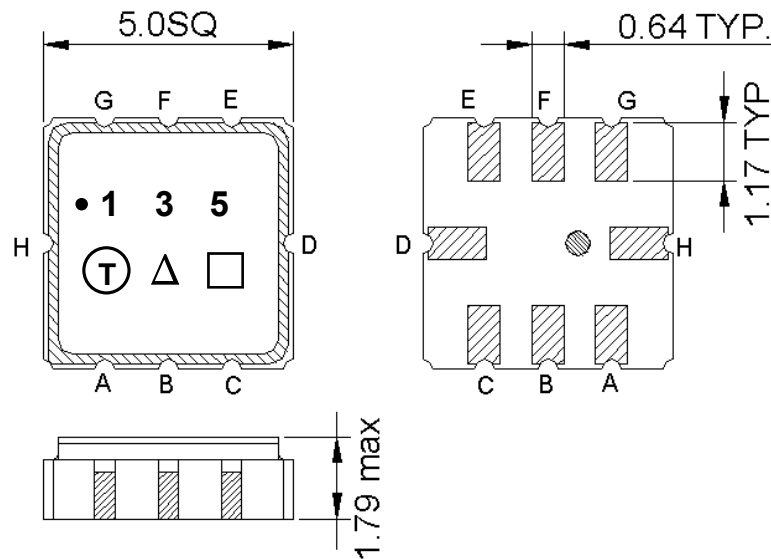
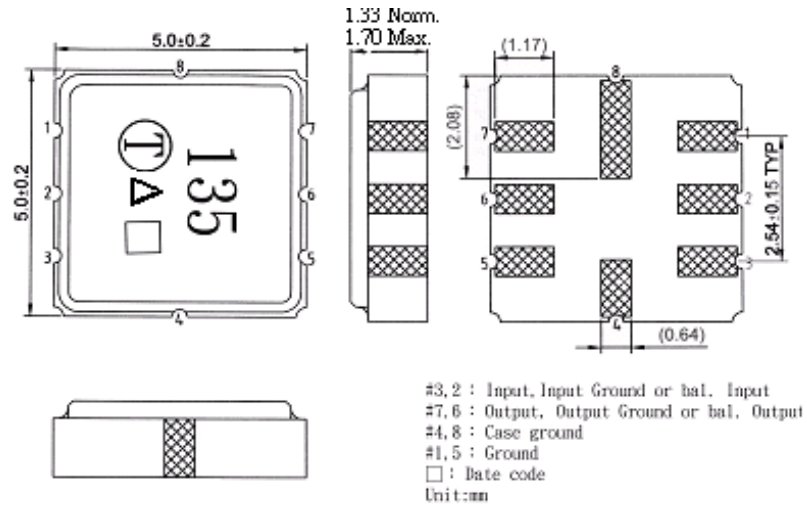
(2) 200Ω balanced:



(3) 250Ω balanced:



E.OUTLINE DRAWING:



#B,C : Input, Input Ground or bal. Input  
 #G,F : Output, Output Ground or bal. Output  
 #D,H : Case Ground  
 #A,E : Ground  
 △ : Product Code  
 □ : Date Code  
 Unit : mm

Marking:

Line 1: TST P/N (135)

Line 2: TST Logo + IF SAW Filter Product Code( $\Delta$ ) + Date Code( $\square$ )

Product Code Table( $\Delta$ )

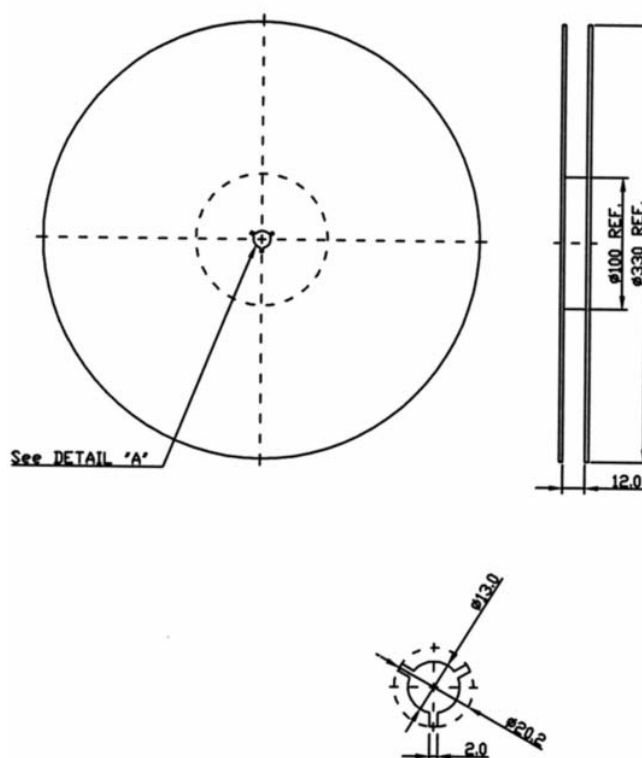
Year	2001 2005	2002 2006	2003 2007	2004 2008
Product Code	B	b	<u>B</u>	<u>b</u>

Date Code Table( $\square$ )

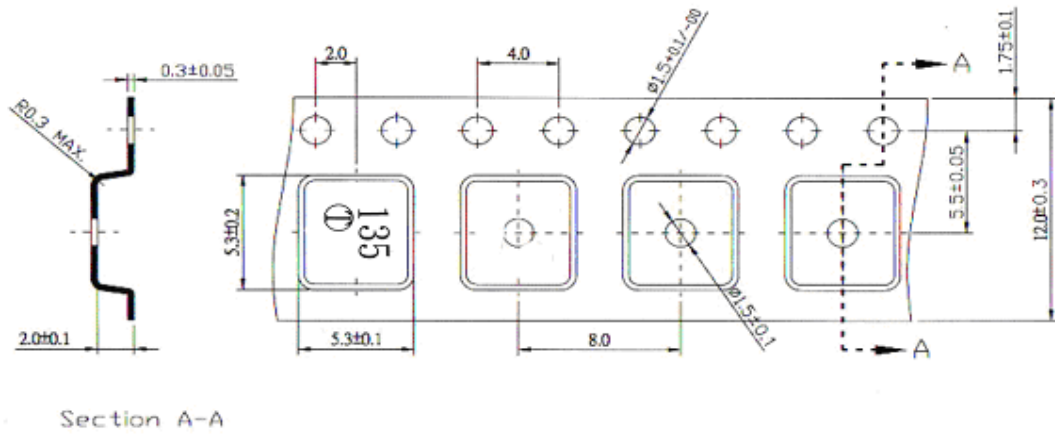
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45	WK46	WK47	WK48	WK49	WK50	WK51	WK52
n	o	p	q	r	s	t	u	v	w	x	y	z

## F. PACKING:

### 1. REEL DIMENSION



## 2.TAPE DIMENSION



## G. RECOMMENDED REFLOW PROFILE:

