



TAI-SAW TECHNOLOGY CO., LTD.

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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, Fc	MHz	-	374	-	
Insertion Loss, IL	dB	-	8.5	10	
Passband width, BW3	MHz	17	19.5	-	
Amplitude Ripple in $Fc \pm 7\text{MHz}$	dB	-	0.6	1	
Group delay ripple in $Fc \pm 7\text{MHz}$	nS	-	39	100	
Triple transit suppression	dB	30	37	-	
Attenuation:(Reference level from Min IL)					
Fc -100 to -33MHz	dB	45	53	-	
Fc -33 to -22MHz	dB	40	56	-	
Fc -22 to -16.5MHz	dB	30	48	-	
Fc +16.5 to +22MHz	dB	30	41	-	
Fc +22 to +43 MHz	dB	35	43	-	
Fc +43 to +80MHz	dB	40	45	-	

C.FREQUENCY CHRACTERISTICS:

(1) wide band of Response:

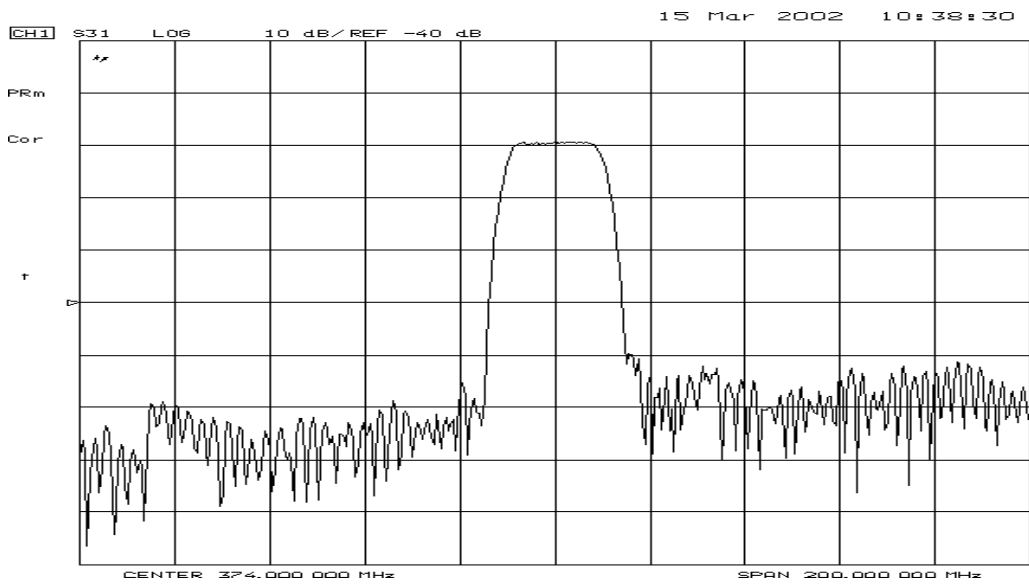


Fig.1 S21 Response REF. : -40dB Horizontal: 3MHz/Div
Vertical: 10dB/Div

(2) Passband of Response:

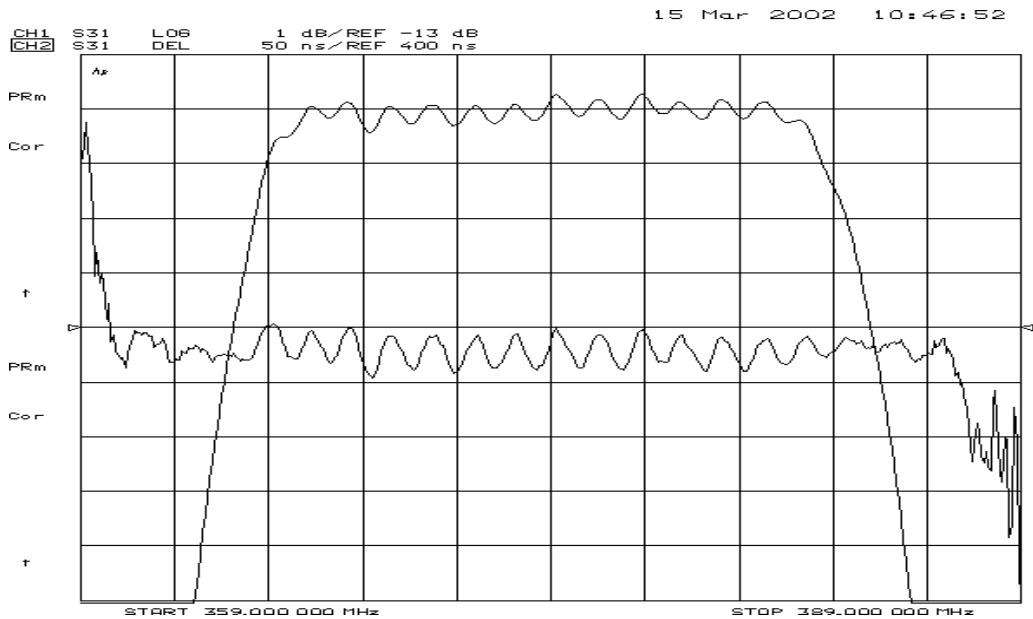
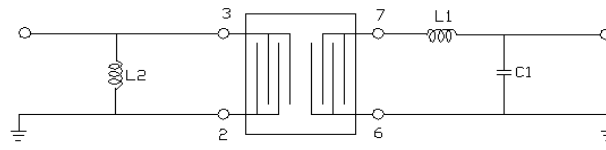


Fig.2 S21 Response Horizontal: 3MHz/Div
Vertical: 1dB/Div, 50nS

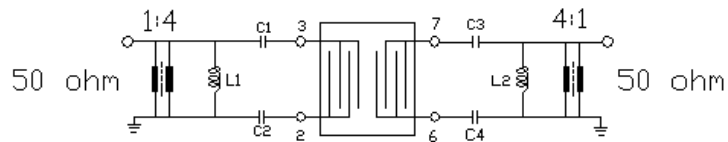
D. MEASUREMENT CIRCUIT:

(1) 50Ω unbalanced:



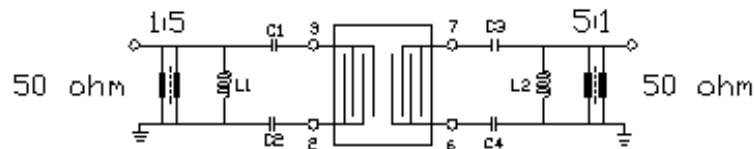
$L2=27\text{nH}$ $L1=22\text{nH}$
 $C1=7\text{PF}$

(2) 200Ω balanced:



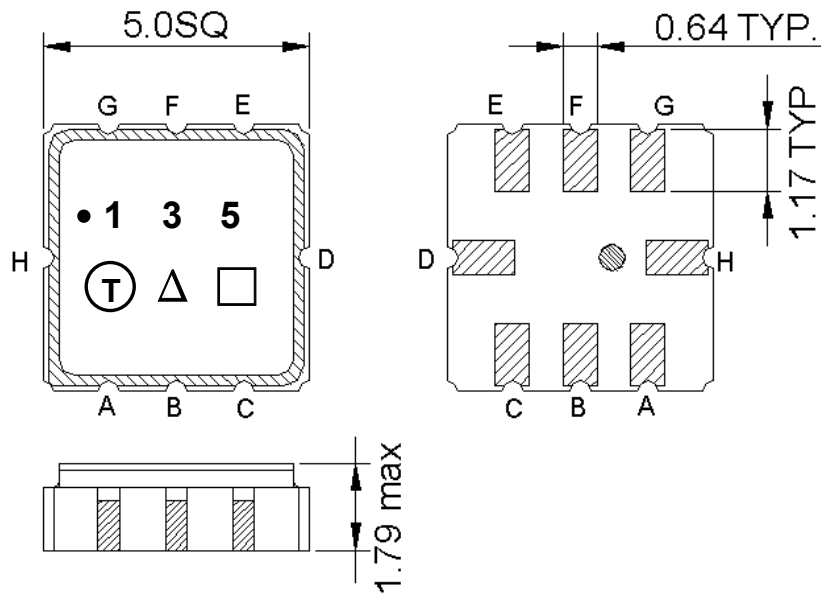
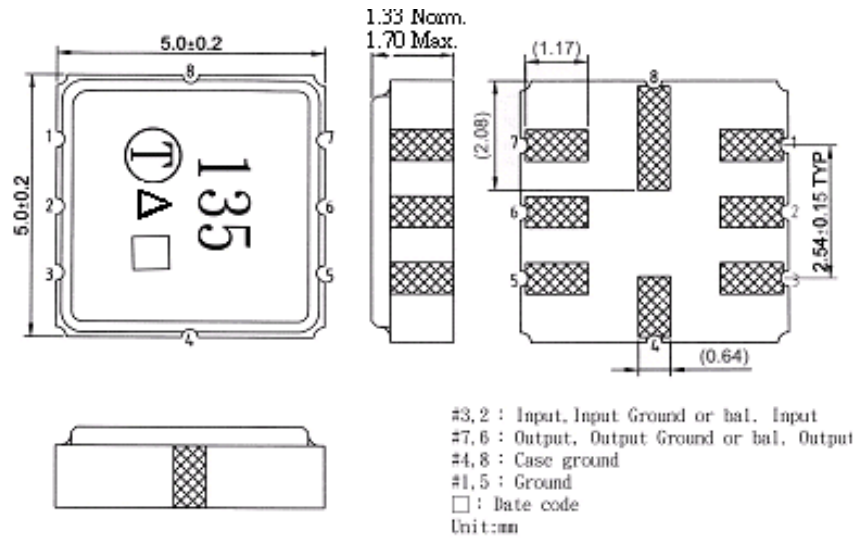
$C1=C2=27\text{PF}$ $C3=C4=15\text{PF}$
 $L1=27\text{NH}$ $L2=27\text{NH}$

(3) 250Ω balanced:



$C1=C2=26\text{PF}$ $C3=C4=9\text{PF}$
 $L1=29\text{NH}$ $L2=41\text{NH}$

E.OUTLINE DRAWING:



Marking:

Line 1: TST P/N (135)

Line 2: TST Logo + IF SAW Filter Product Code(△) + Date Code(□)

Product Code Table(△)

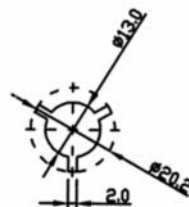
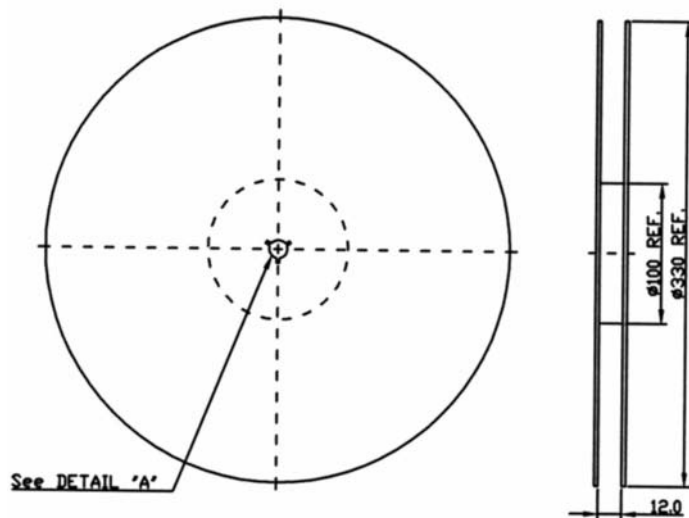
Year	2001 2005	2002 2006	2003 2007	2004 2008
Product Code	B	b	<u>B</u>	<u>b</u>

Date Code Table(□)

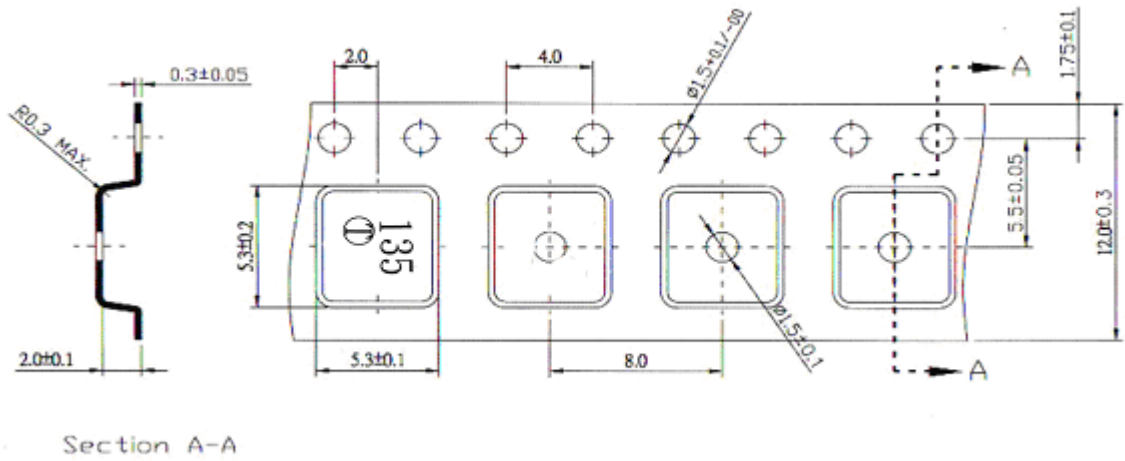
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

