TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.
TEL: 886-3-4690038 FAX: 886-3-4697532
E-mail: tstsales3@mail.taisaw.com Web: www.taisaw.com

Approval Sheet For Product Specification

Issued Date:

Product Name: SAW IF Filter 210.38MHz (SMD 5X5)

TST Parts No.: TB 0124A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Andy Lee

Approval by: Francis Chen

Date: 12,8 ,2003

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SAW IF Filter 210.38 MHz

MODEL NO.: TB0124A REV. NO.:2

A. MAXIMUM RATING:

1.Input Power Level: 10 dB_m

2.DC voltage: 0 V

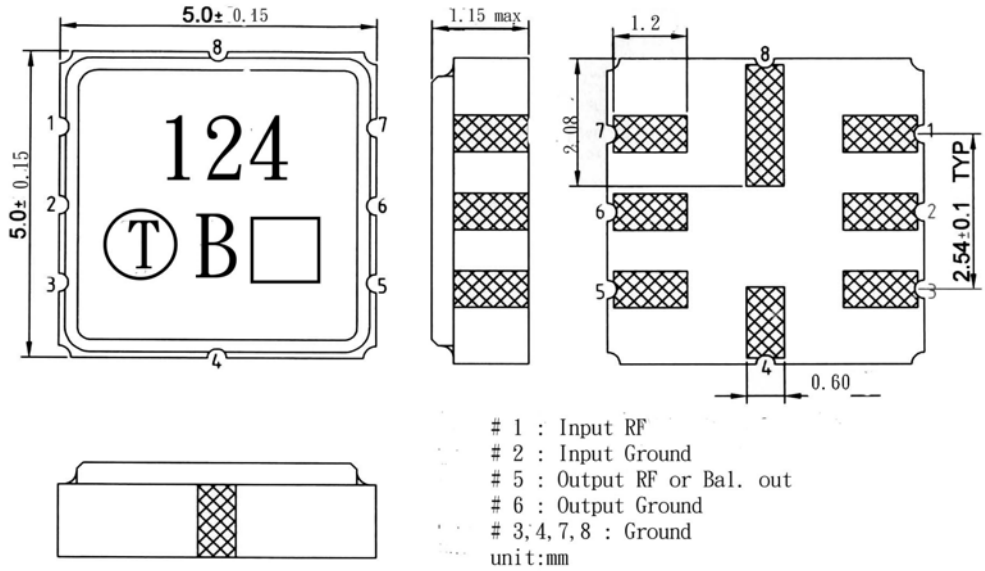
3.Operating Temperature: -30°C to +70°C

4.Storage Temperature: -30°C to +70°C

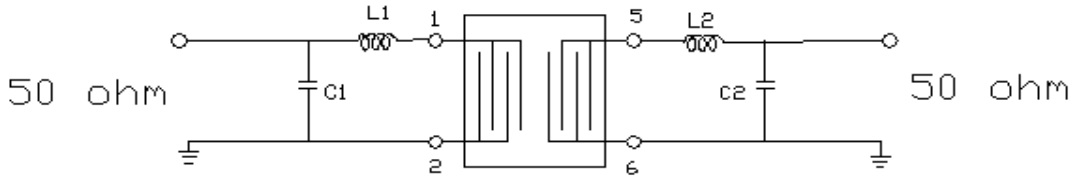
B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typical.	Max.	Note
Center frequency, **Fc**	MHz	-	210.38	-	
Insertion Loss, **IL at Fc**	dB	-	9.5	10.5	
Ripple at fc-0.30 … fc+0.30 MHz	dB	-	0.6	1.2	
Phase Linearity in Fc±0.63MHz (RMS)	Deg	-	2.	3.5	
Attenuation:(Reference level from Min IL)					
Fc-0.63 … Fc+0.63MHz	dB		3.9	5	
Fc-100 … Fc- 50MHz	dB	57	74	-	
Fc-50 … Fc-30MHz	dB	50	70	-	
Fc-30 … Fc-10MHz	dB	40	60	-	
Fc-10 … Fc-1.25 MHz	dB	25	30	-	
Fc-1.25 MHz	dB	25	30	-	
Fc+1.25 MHz	dB	29	32	-	
Fc+1.25 … Fc+10 MHZ	dB	29	32	-	
Fc+10 … Fc+30 MHZ	dB	38	56	-	
Fc+30 … Fc+50 MHZ	dB	43	65	-	
Fc+50 … Fc+100 MHZ	dB	50	70	-	

C. OUTLINE DRAWING:



D. MATCHING CIRCUIT:



C1=20pF L1=120nH

L2=120nH C2=27pF

E.FREQUENCY CHRACTERISTICS:

(1) Frequency response

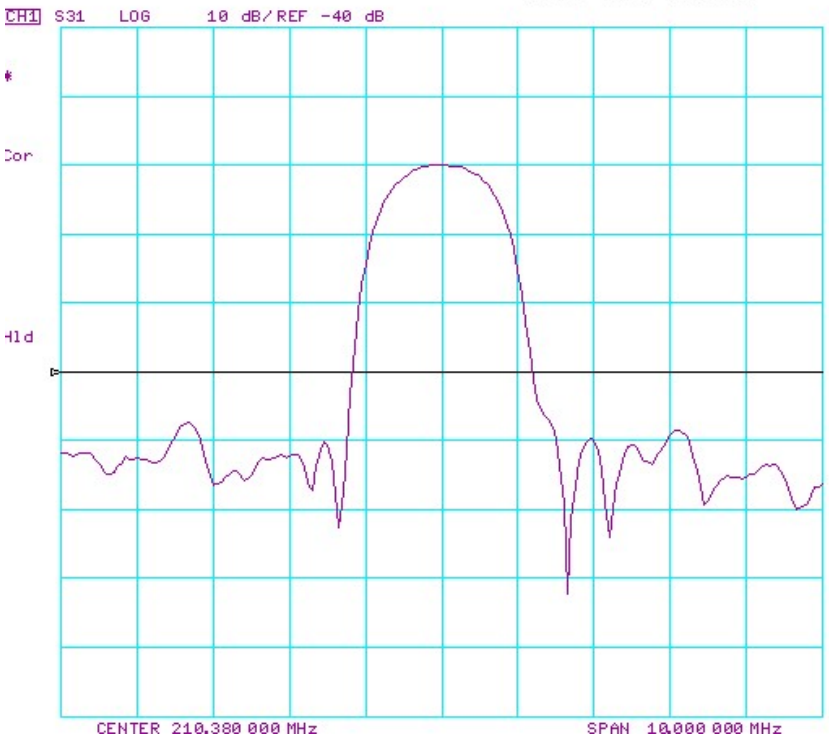


Fig-1 S21 Response Horizontal: 1MHz/Div
Vertical: 10dB/Div

Fig-2 Phase Linearity Horizontal:0.2MHz/Div
Vertical: 1 dB/Div Vertical: 20 deg/Div

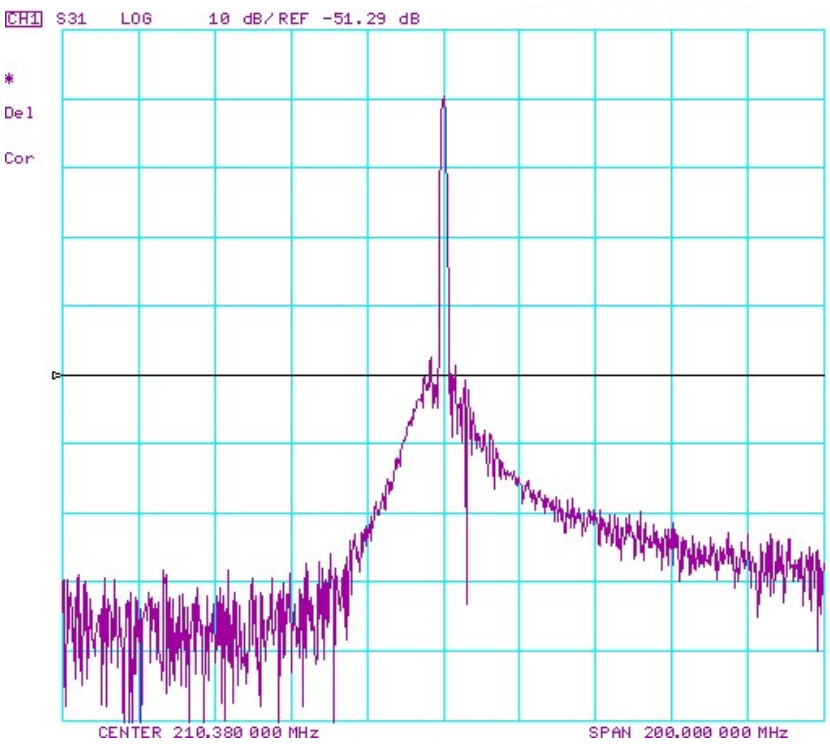
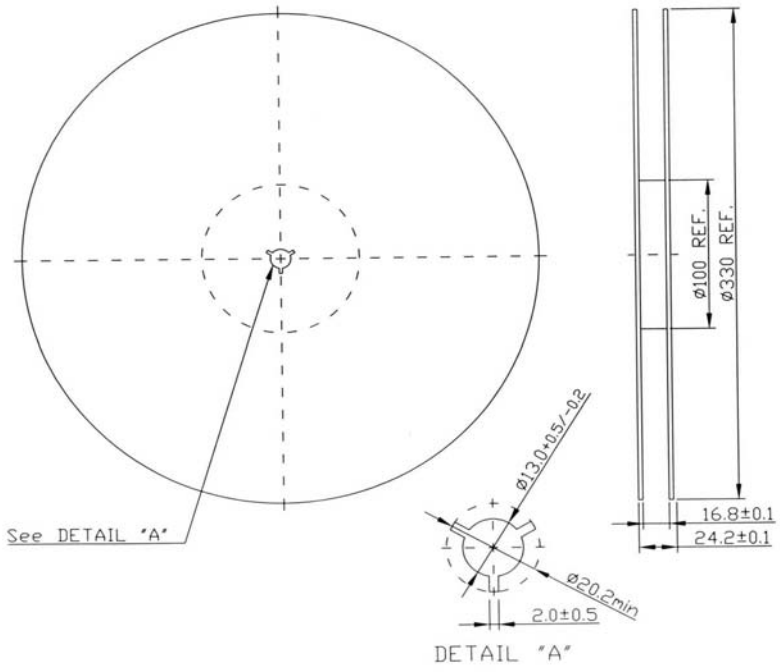


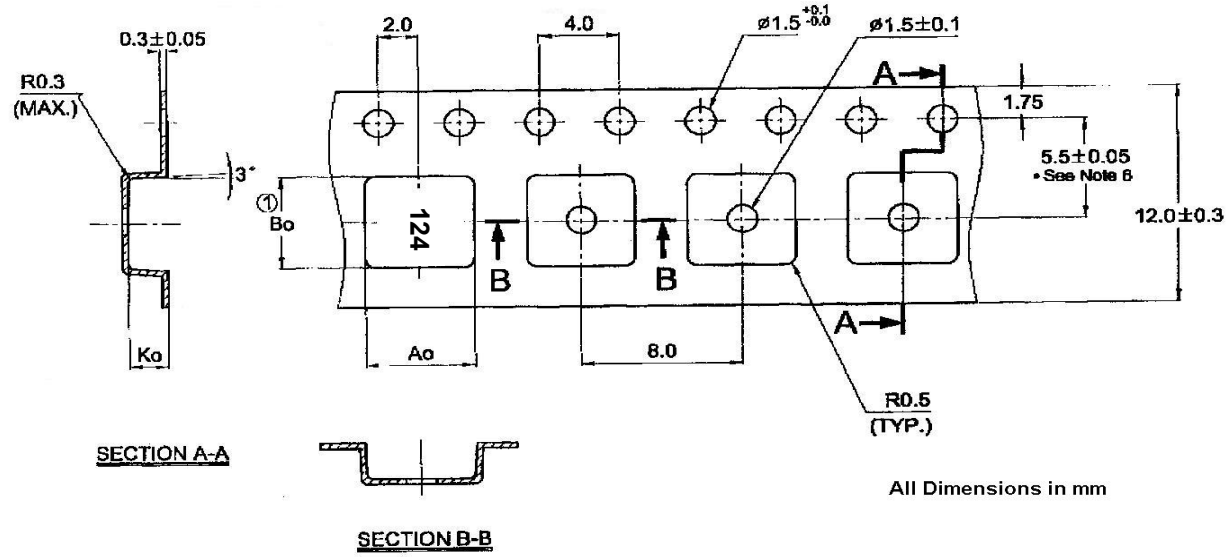
Fig-3 S21 Response Horizontal: 20MHz/Div
Vertical: 10dB/Div

F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



Ao=5.30+/-1 mm

Bo=5.30+0.2/-0.0 mm

Ko=2.0+/-0.1mm