



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date:

Product Name: 190MHz IF SAW Filter5.0X5.0 mm

TST Parts No.: TB0103A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Andy Lee

Approval by: _____ Francis Chen

Date: _____ Sep. 28. 2006



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SAW Filter 190MHz 5x5

MODEL NO.: TB0103A

REV. NO.:2

A. MAXIMUM RATING:

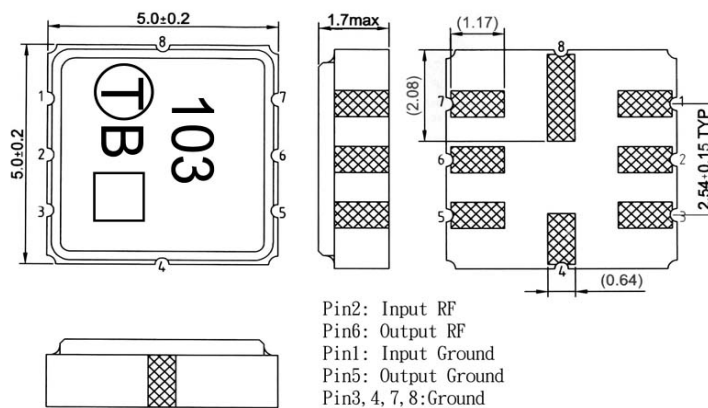
1. Input Power Level: 10 dBm
2. Operating Temperature: -30°C to +70°C
3. Storage Temperature: -30°C to +70°C

RoHS Compliant
Lead free
Lead-free soldering

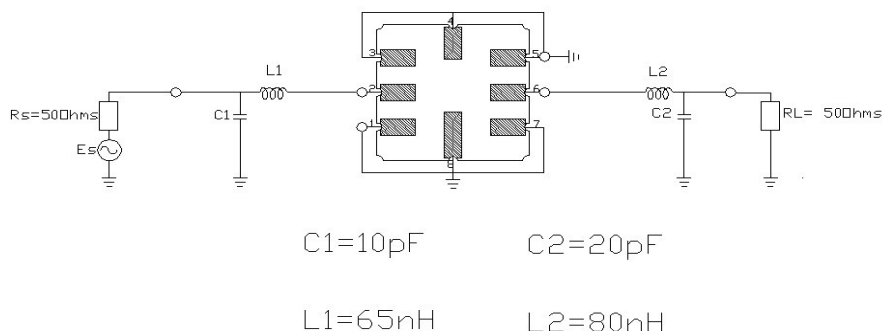
B. ELECTRICAL CHARACTERISTICS :

Item	Unit	Min.	Typical.	Max.	Note
Center frequency, F_c	MHz	-	190	-	
Insertion Loss, IL	dB	-	8.0	10	
Passband width, BW5	MHz	4.8	5.73		
Group Delay, GD	ns	-	70	150	
Attenuation:(Reference level from Min IL)					
F _c -20 to -10MHz(170-180MHz)	dB	27	34	-	
F _c -10 to -4.5MHz(180-185.5MHz)	dB	25	31	-	
F _c +4.5 to +10MHz(194.5-200MHz)	dB	25	30	-	
F _c +10 to +20MHz(200-210MHz)	dB	27	33	-	

C. OUTLINE DRAWING:

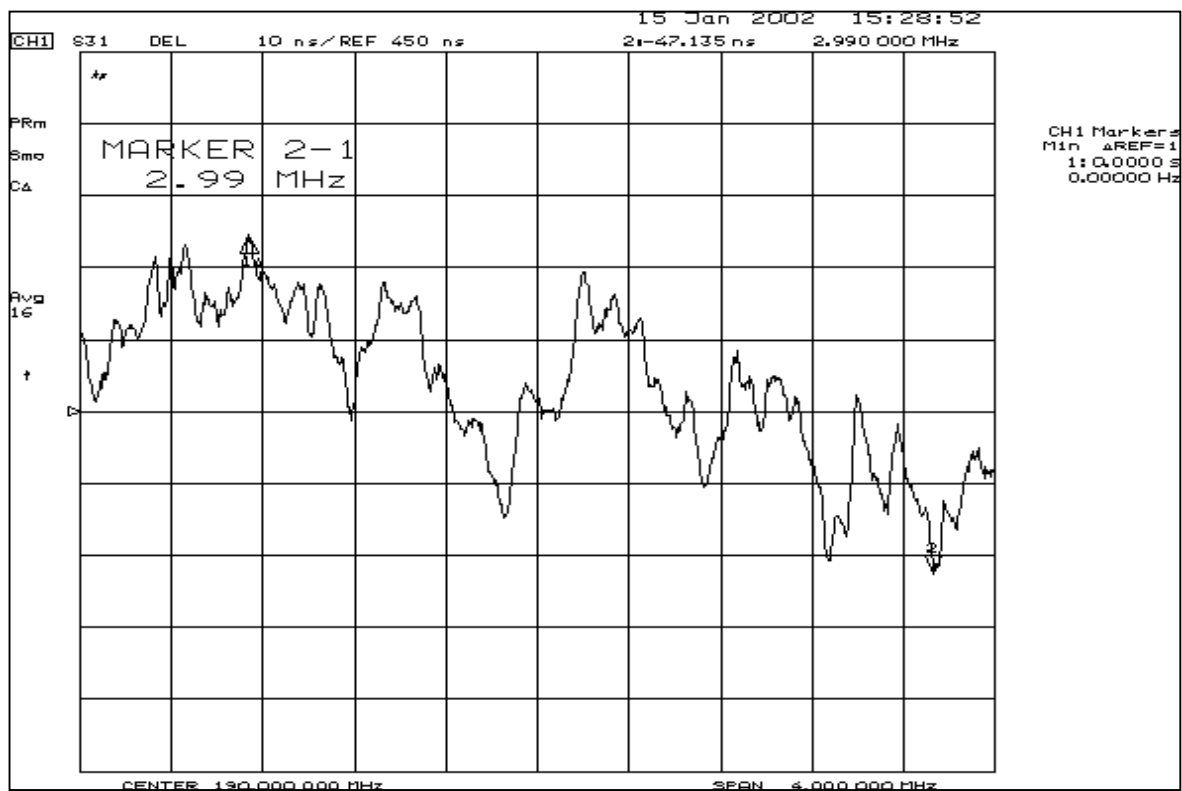
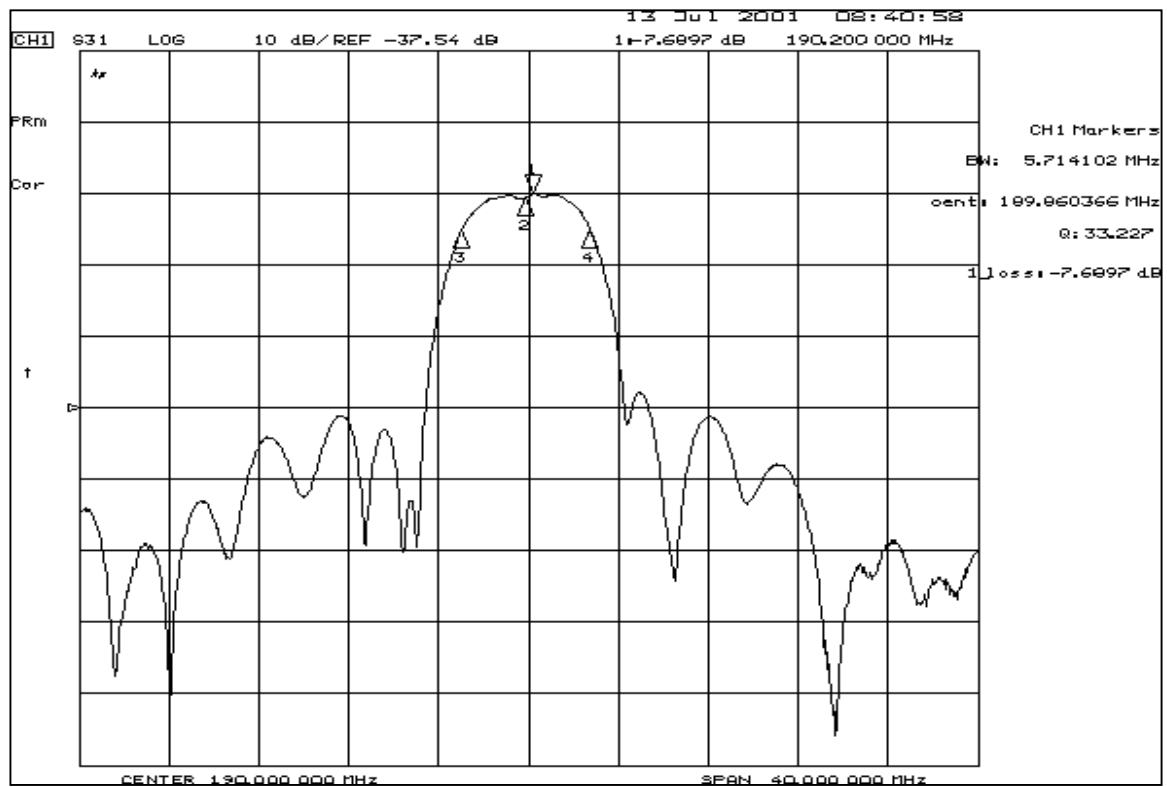


D. MATCHING CONFIGURATION:



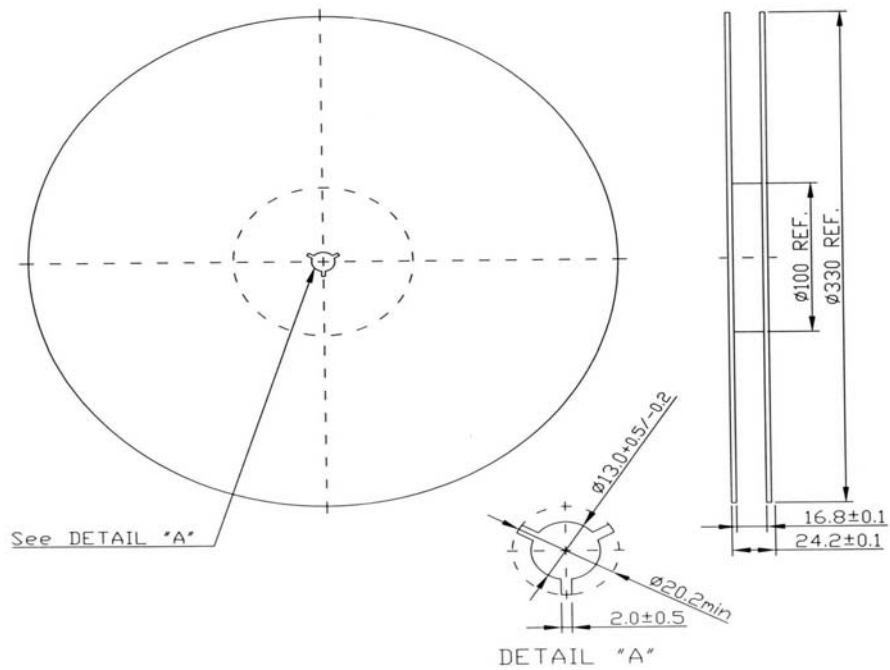
Note1: The values of components for matching circuit will vary slightly due to parasitic capacitor of PCB

E. FREQUENCY CHARACTERISTICS:

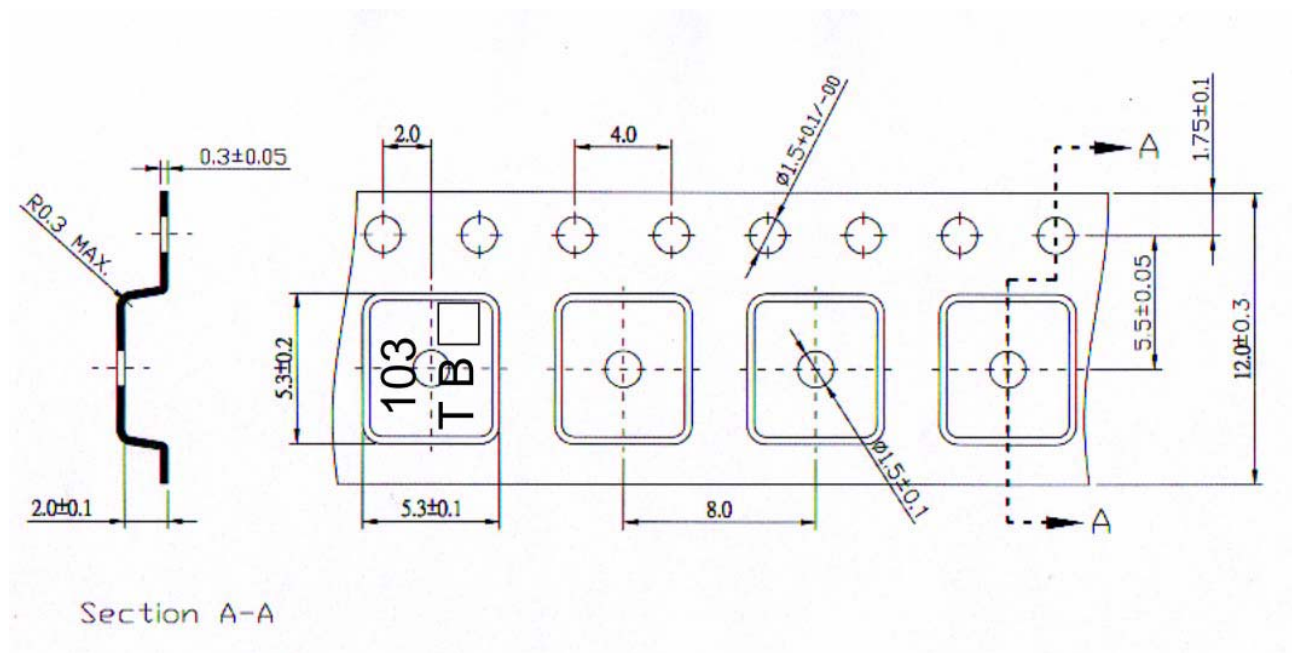


F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



$$A_o = 5.30 \pm 1 \text{ mm}$$

$$B_o = 5.30 \pm 0.2 / -0.0 \text{ mm}$$

$$K_o = 2.0 \pm 0.1 \text{ mm}$$