



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date:

Product Name: SAW IF Filter 380MHz

TST Parts No.: TB 0122A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Andy Lee

Approval by: _____ Francis Chen

Date: _____ 2,25 ,2005



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SAW IF Filter 380 MHz

MODEL NO.: TB0122A

REV. NO.:5

A. MAXIMUM RATING:

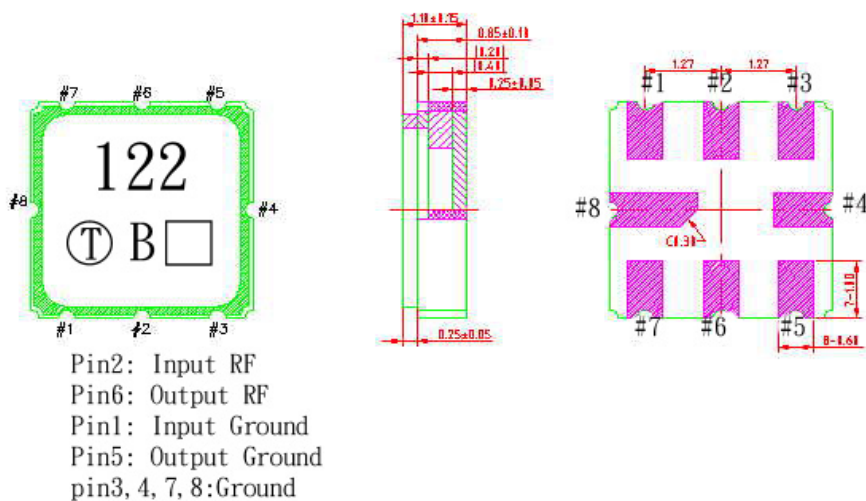
1. Input Power Level: 10 dB_m
2. DC voltage: 0 V
3. Operating Temperature: -30°C to +70°C
4. Storage Temperature: -30°C to +70°C

RoHS Compliant
Lead free
Lead-free soldering

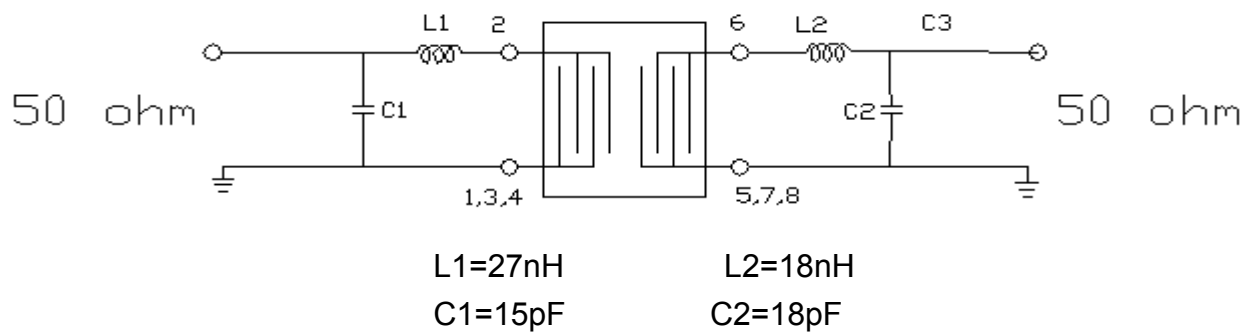
B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typical.	Max.	Note
Center frequency, F_c	MHz	-	380	-	
Insertion Loss, IL	dB	-	9.7	11	
Passband width, BW₃	MHz	4.8	7.81		
Phase Linearity in F _c ±2MHz (RMS)	Deg	-	1.7	3	
Attenuation:(Reference level from Min IL)					
360-373 MHz	dB	28	38	-	
387-400 MHz	dB	28	36	-	
Ultimate Rejection	dB		50	-	
Substrate Material	LiTaO ₃				

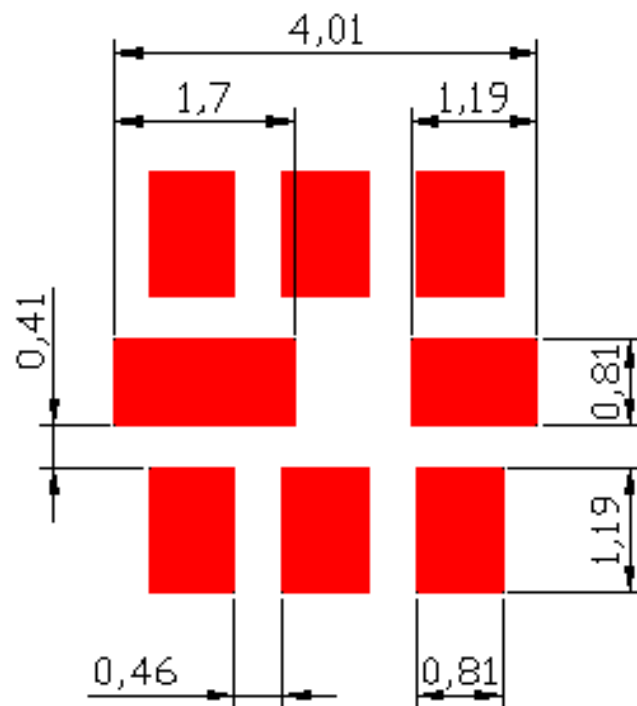
C. OUTLINE DRAWING:



D. MATCHING CIRCUIT:



E. PCB FOOTPRINT:



F. FREQUENCY CHARACTERISTICS:



Fig-1 S21 Response Horizontal: 3MHz/Div
Vertical: 7dB/Div



Fig-2 Phase Linearity Horizontal: 1MHz/Div
Vertical: 5 dB/Div Vertical: 5 deg/Div

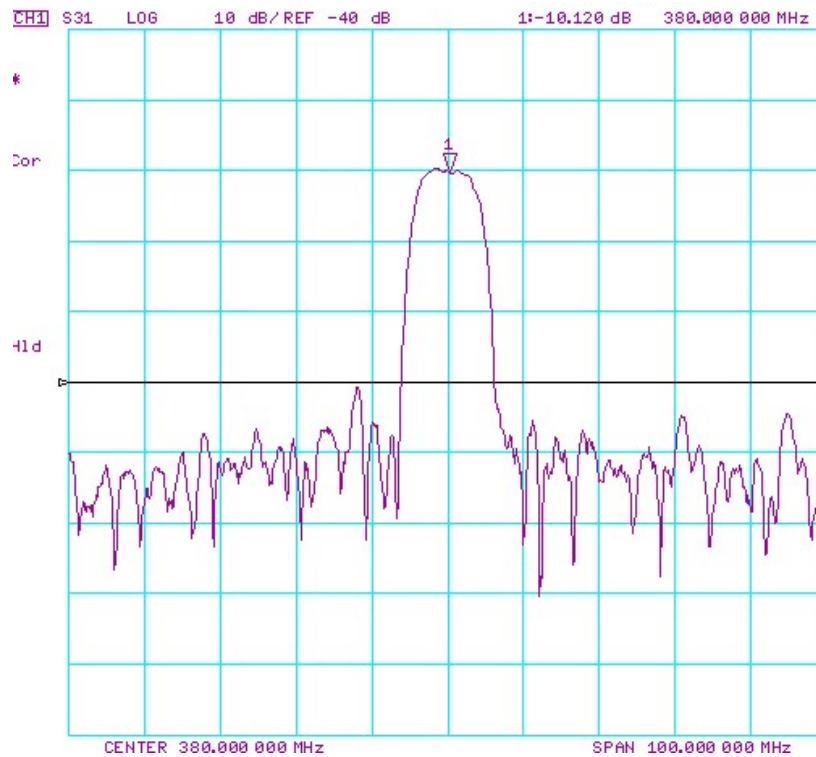
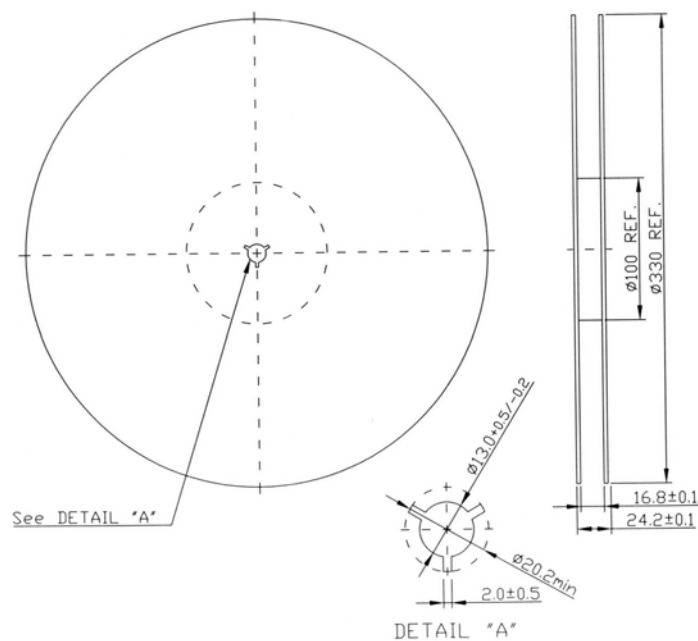


Fig-3 wide-band response Horizontal:10 MHz/Div
Vertical: 10 dB/Div

G. PACKING:

1. REEL DIMENSION



The technical drawing illustrates a mechanical component with two views:

- Top View:** Shows a rectangular plate with a width of 12.0 ± 0.3 . It features eight circular holes arranged in two rows of four. The center-to-center distance between the first three holes in each row is 8.0 ± 0.1 , and the distance from the last hole to the right edge is 2.0 ± 0.1 . The total length of the plate is 4.6 . There are four square mounting tabs, each with a side length of 2.6 and a thickness of 4.6 . One tab is labeled "122 TB". The corners of the plate have a radius of $R0.5$ TYP.
- Section A-A:** A cross-sectional view taken through the center of the plate. It shows a total thickness of 0.3 ± 0.05 . The section includes a central layer with a thickness of 1.75 ± 0.1 and outer layers with a combined thickness of 5.5 ± 0.1 . The inner corner of the mounting tabs has a radius of $R0.3$ MAX.