



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 374MHz SMD 3.8×3.8 mm

TST Parts No.:TB0397A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Andy Lee

Approval by:_____ Francis Chen

Date:_____ 2006/07/10



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SAW Filter 374MHz (BW=4.0MHz) (SMD 3.8×3.8 mm)

MODEL NO.: TB0397A

REV. NO.:1

A. MAXIMUM RATING:

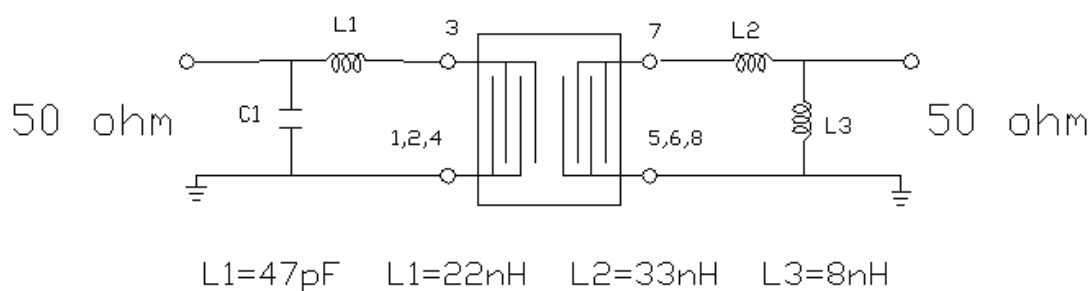
1. Input Power Level: 10 dBm
2. Storage Temperature: -40°C to 85°C
3. Operating Temperature: -40°C to 85°C

RoHS Compliant
Lead free
Lead-free soldering

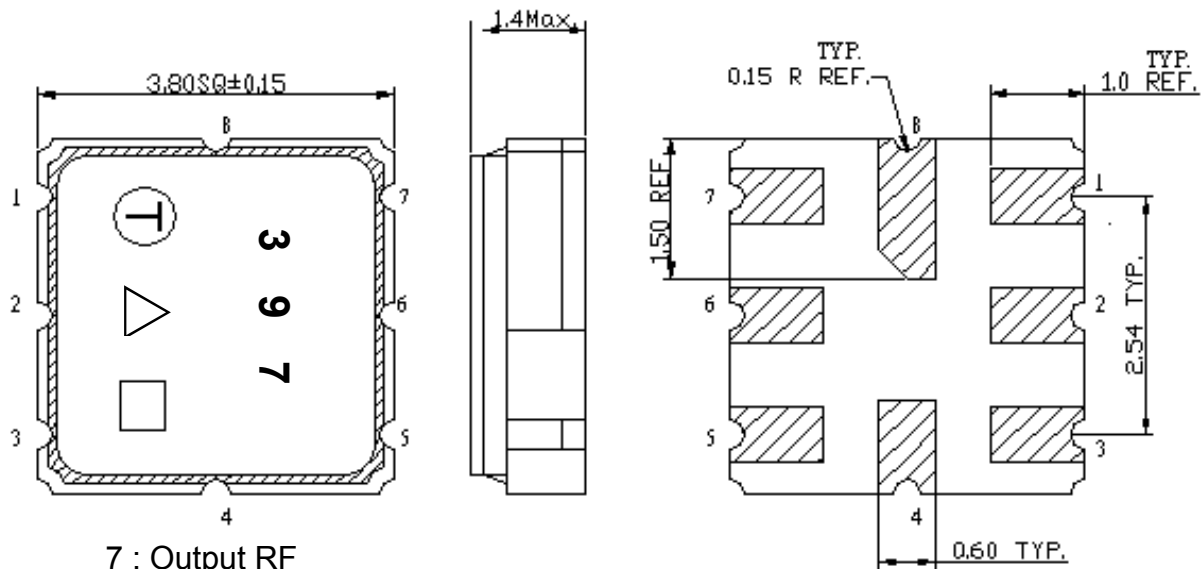
B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center frequency, Fc	MHz	-	374	-	-
Minimum Insertion Loss, IL	dB	-	12.7	14.0	-
1 dB Bandwidth	MHz	3.5	4.6	-	-
3 dB Bandwidth	MHz	-	5.7	7.5	-
Pass ripple (Fc±1.6MHz)	dB	-	0.57	1	-
Group delay ripple(Fc±1.75MHz)	nS	-	37	100	-
Group delay at Fc	uS	-	0.34	-	-
Attenuation:(Reference level from Min IL)					
274MHz~355MHz	dB	40	50	-	-
355MHz~360MHz	dB	35	47	-	-
388MHz~394MHz	dB	35	47	-	-
394MHz~474MHz	dB	40	51	-	-
Temp Coefficient	PPM/°C	-	-0.045	-	-

C. MEASUREMENT CIRCUIT:

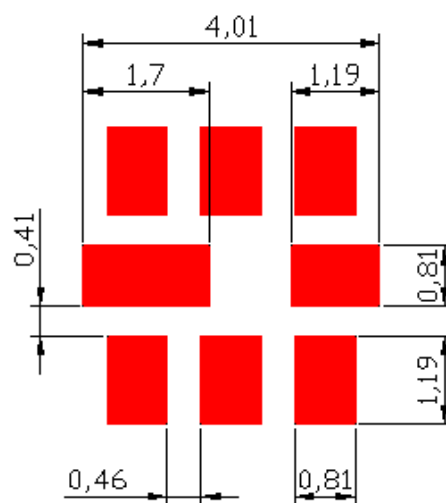


D.OUTLINE DRAWING:



7 : Output RF
 6 : Output RF Ground
 3 : Input RF
 2 : Input RF Ground
 1,4,5,8: Ground
 □ : Date Code
 Unit: mm

E.PCB FOOTPRINT:



F. Transfer Function :

1. wide band :

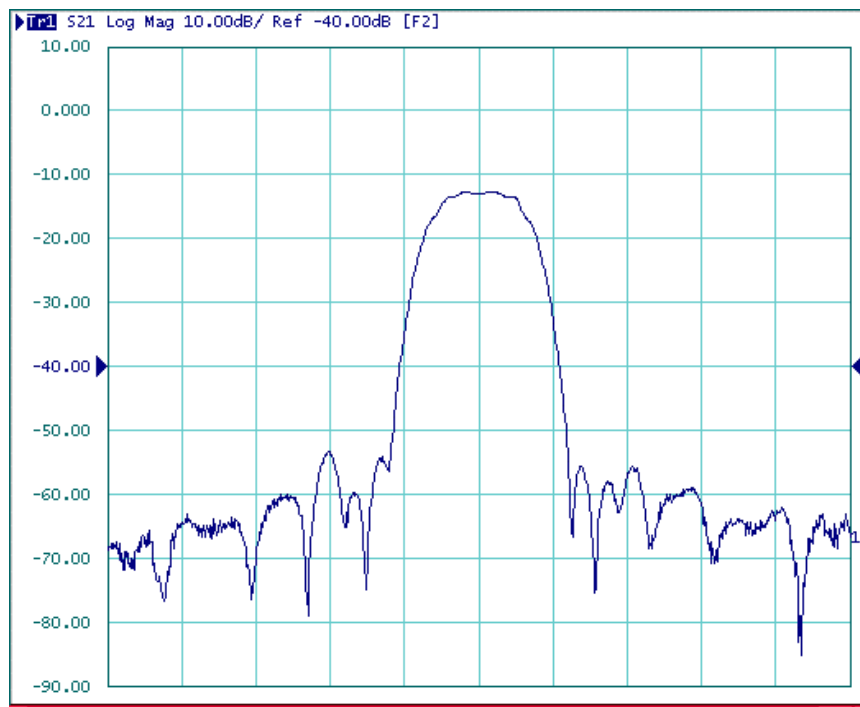


Fig1. Horizontal: 50MHz/Div Vertical: 10dB/Div

2. Pass band :

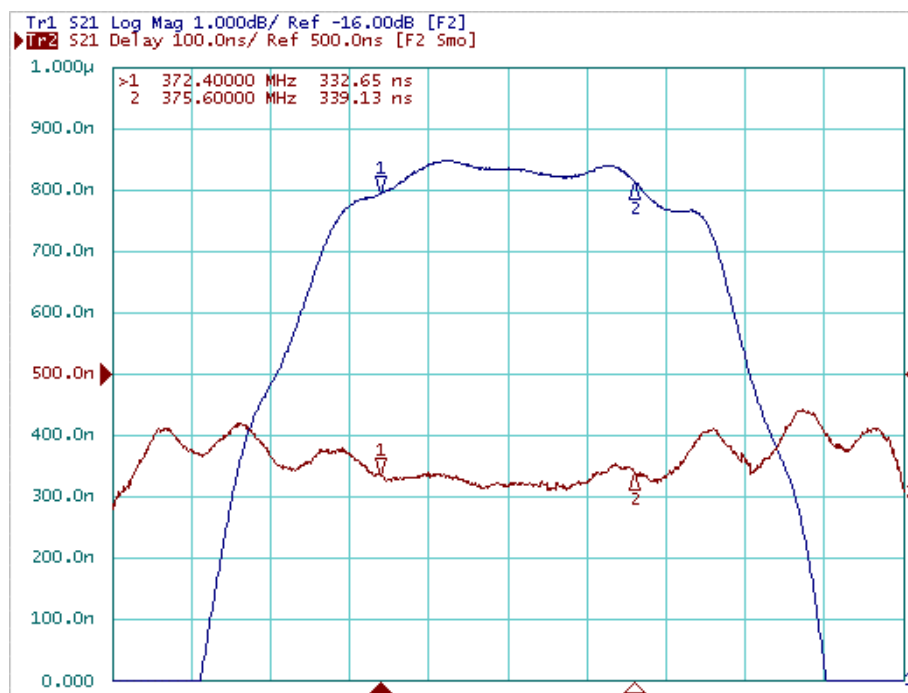
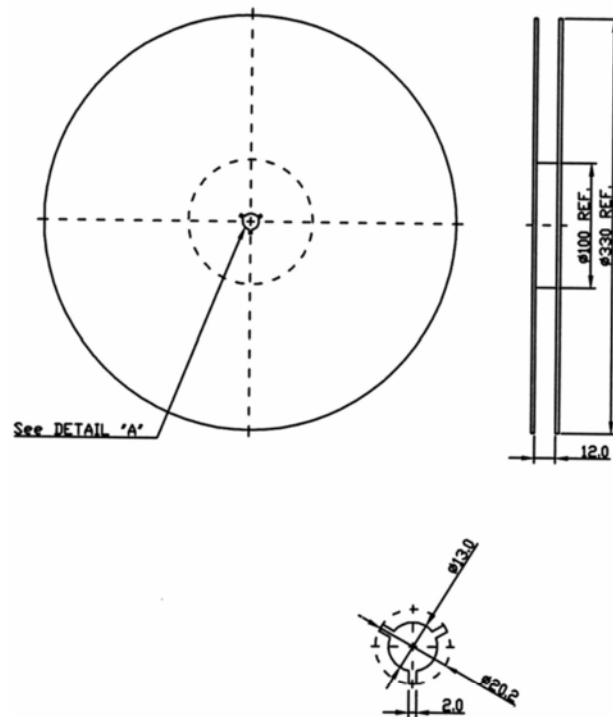


Fig1. Horizontal: 10MHz/Div Vertical 1: 1dB/Div
Vertical 2: 100nS/Div

G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

