



TAI-SAW TECHNOLOGY CO., LTD.

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Product Specifications Approval Sheet

Product Name: SAW Filter 374MHz WLAN

TST Parts No.: TB374GD

Customer Parts No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Kazuma Lee *Kazuma Lee*

Approval by: _____ Andy Yu *Andy Yu*

Date: _____ 2018/12/10

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes



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SAW Filter 374MHz WLAN

MODEL NO.: TB374GD

REV. NO.:12

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
4. Moisture Sensitivity Level: Level 1 (**MSL 1**)

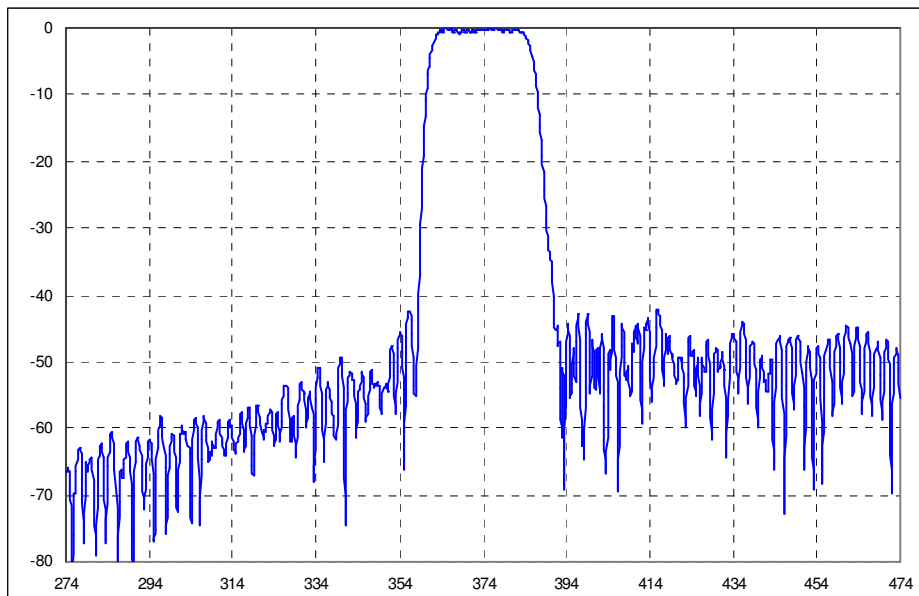
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

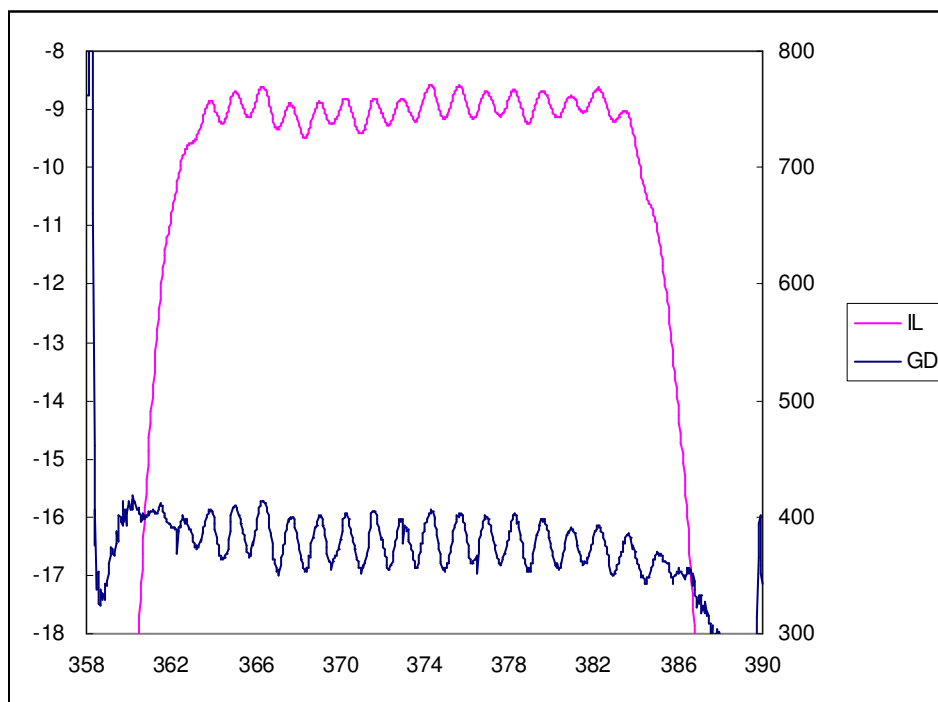
Item	Unit	Min.	Type.	Max.	Note
Center frequency, Fc	MHz	-	374	-	
Insertion Loss, IL	dB	-	8.5	10	
Passband width, BW3	MHz	17	24	-	
Amplitude Ripple in $Fc \pm 7\text{MHz}$	dB	-	0.6	1	
Group delay ripple in $Fc \pm 7\text{MHz}$	nS	-	40	100	
Triple transit suppression	dB	30	37	-	
Attenuation:(Reference level from Min IL)					
Fc -100 to -33MHz	dB	45	52	-	
Fc -33 to -22MHz	dB	40	51	-	
Fc -22 to -16.5MHz	dB	30	42	-	
Fc +16.5 to +22MHz	dB	30	41	-	
Fc +22 to +43 MHz	dB	35	44		
Fc +43 to +100MHz	dB	40	47	-	

C.FREQUENCY CHRACTERISTICS:

(1) wide band of Response :

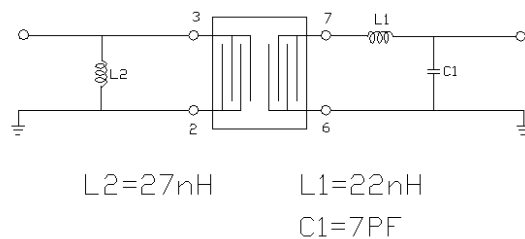


(2) wide band of Response :

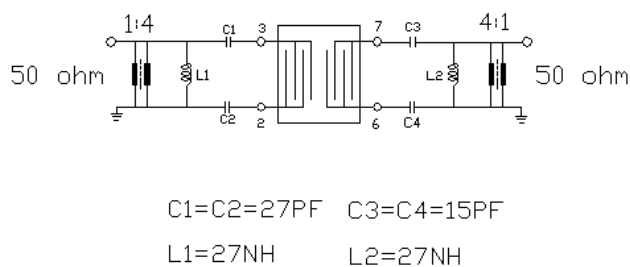


D. MEASUREMENT CIRCUIT:

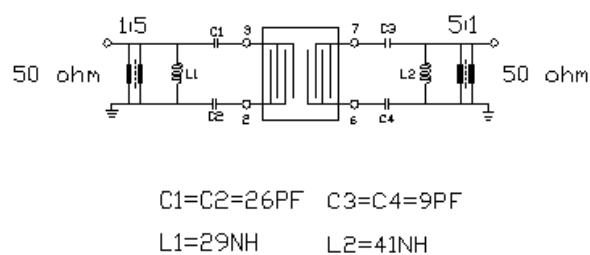
(1) 50 unbalanced:



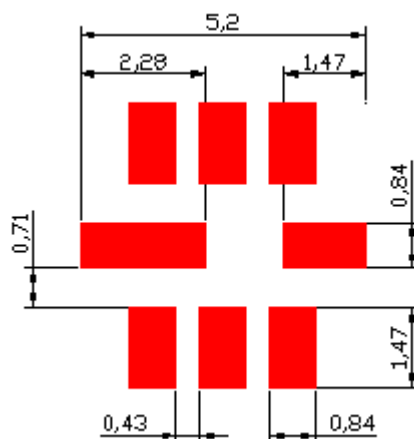
(2) 200 . balanced:



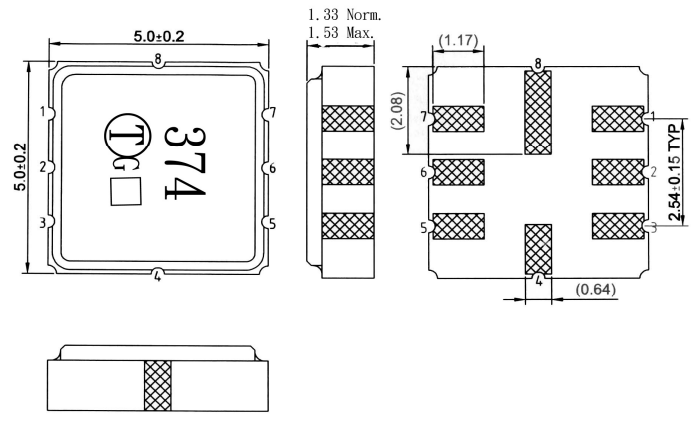
(1) 250 . balanced:



E. PCB FOOTPRINT:



E. OUTLINE DRAWING:



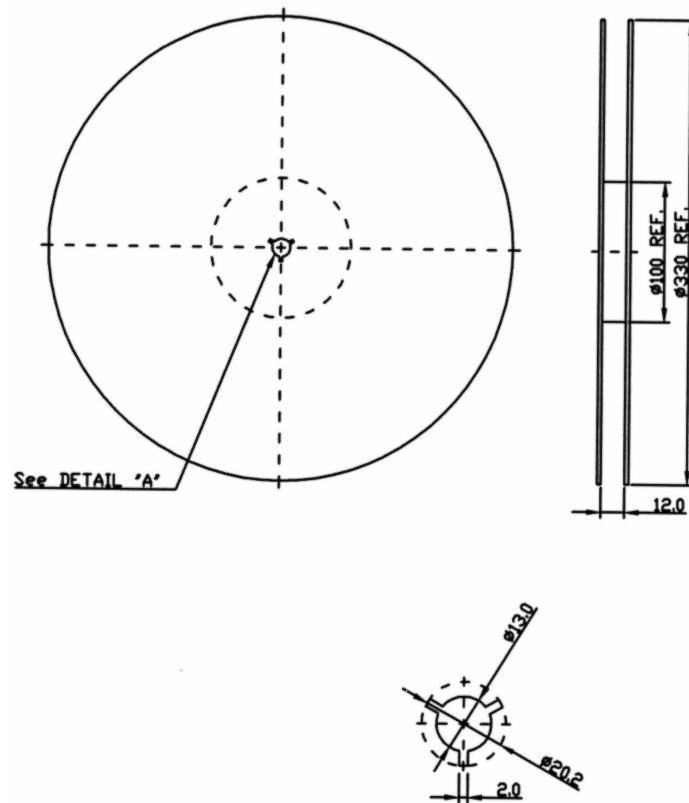
- Pin 7: Balance Output RF+
 - Pin 3: Balance Input RF+
 - Pin 2: Balance Input RF- or Input Ground
 - Pin 6: Balance Output RF- or Output Ground
 - Pin 1,4,5,8: To be ground
 - : data code for week
- Unit: mm

G of Date code for year

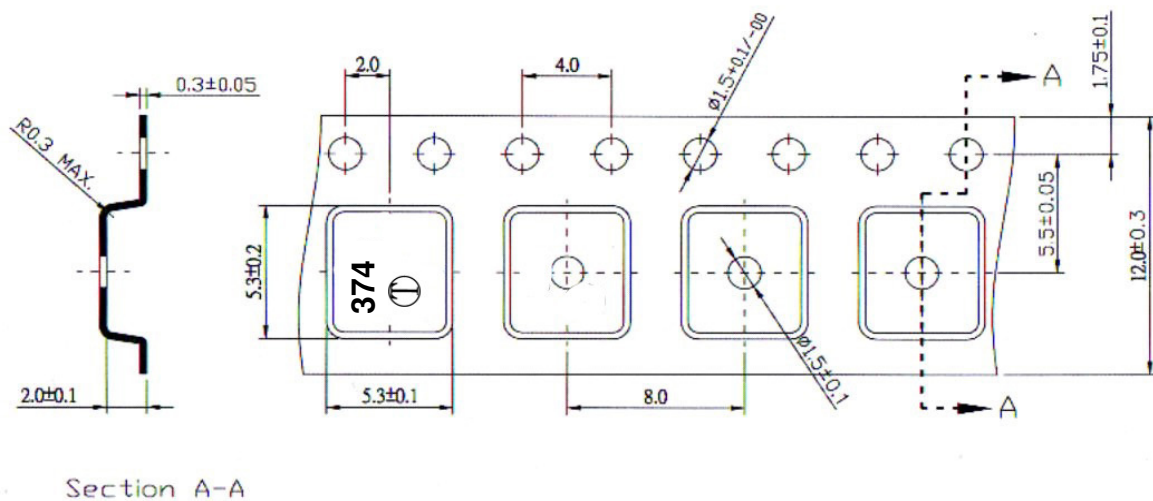
Year	2017 2021	2018 2022	2019 2023	2020 2024
Product Code	G	g	<u>G</u>	<u>g</u>

F. PACKING:
1.REEL DIMENSION

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1.REEL DIMENSION



2.TAPE DIMENSION



G. RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 260°C+0/-5°C peak (20~40sec).
4. Time: 2 times.

