



# 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

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## Product Specifications Approval Sheet

Product Description: Tx Low Pass Filter 1710~1990 MHz SMD 1.6X0.8 mm

TST Parts No.: TL0016A

Customer Parts No.: \_\_\_\_\_

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: \_\_\_\_\_ Nina Chen *Nina Chen*

Approval by: \_\_\_\_\_ Kazuma Lee *Kazuma Lee*

Date: \_\_\_\_\_ 2022/08/18

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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## Low Pass Filter 1710 ~ 1990MHz

MODEL NO.:TL0016A

REV. NO.:2

### A. MAXIMUM RATING:

1. Input Power Level: 2W
2. DC Voltage : 5V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level(MSL1)
6. No Marking

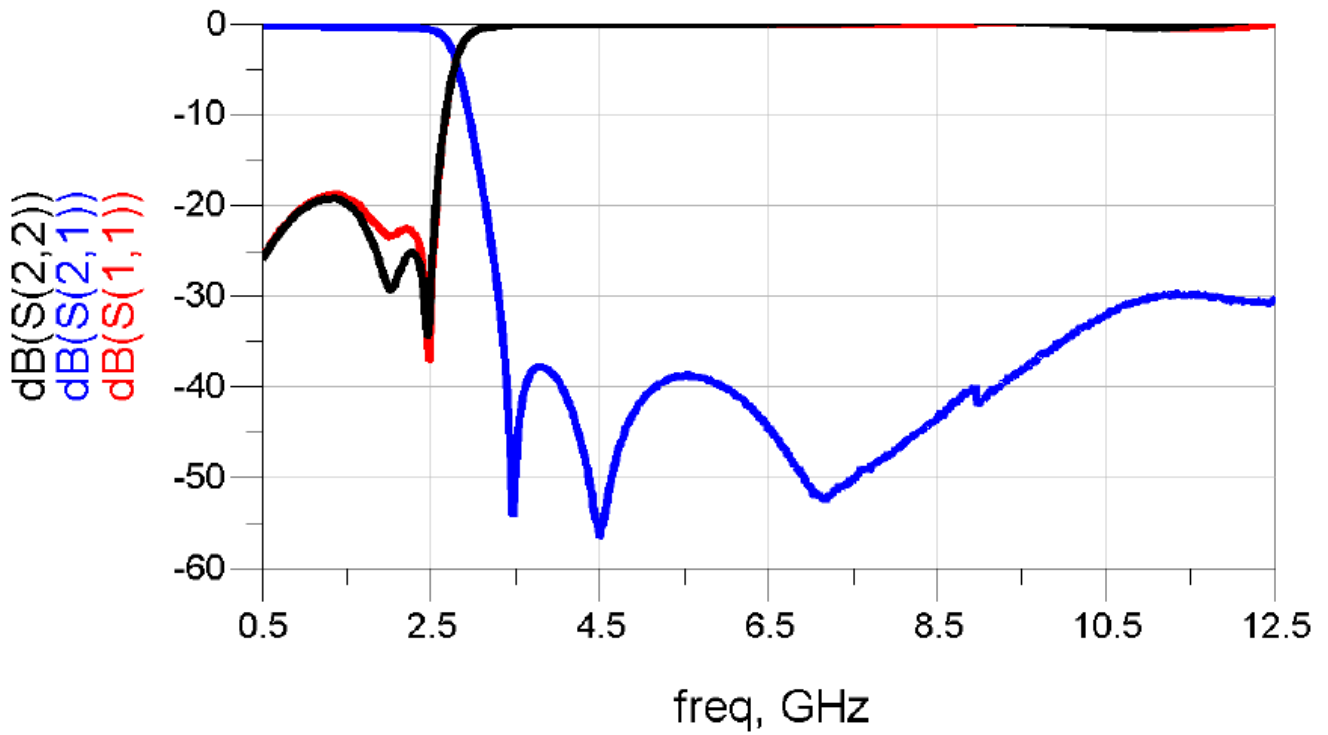
RoHS Compliant  
Lead free  
Lead-free soldering

Electrostatic Sensitive Device (ESD)

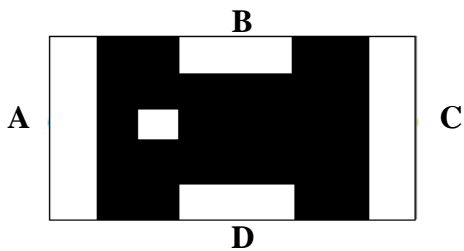
### B. ELECTRICAL CHARACTERISTICS:

Item	Specifications
Frequency Range	1710~1990MHz
Insertion Loss	0.6 dB max
Return Loss	10 dB min
Attenuation	30.5 dB min 3420 ~ 3980 MHz 28.5 dB min 5130 ~ 5970 MHz 25 dB min 5970 ~ 12500 MHz
Operation Temperature Range	-40°C ~ 85°C
In/Output Impedance	50 Ω

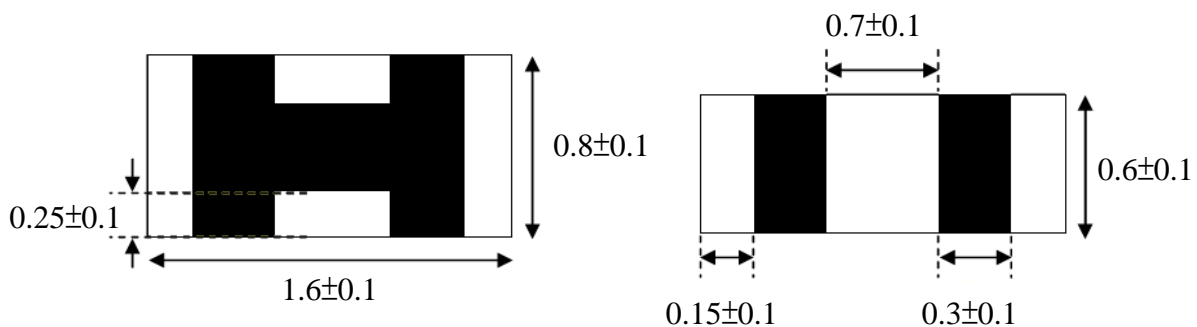
**C. Frequency Characteristics : (Simulation)**



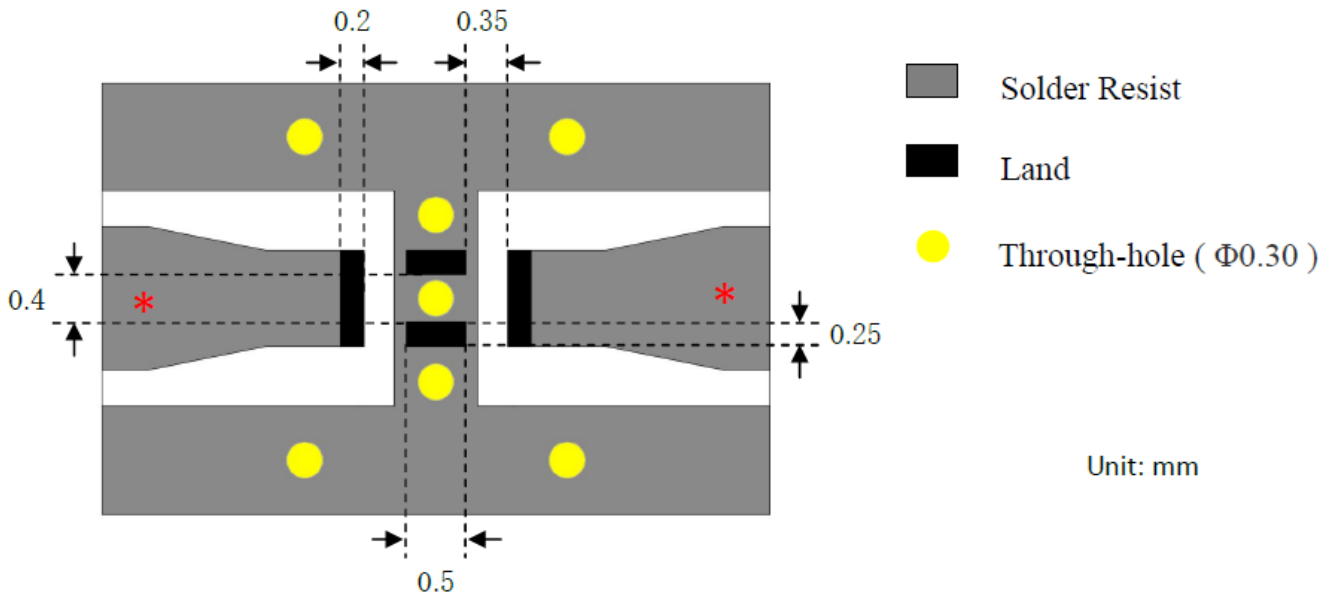
**D. Pin Assignment :**



A : Input  
 C : Output  
 B,D : Ground

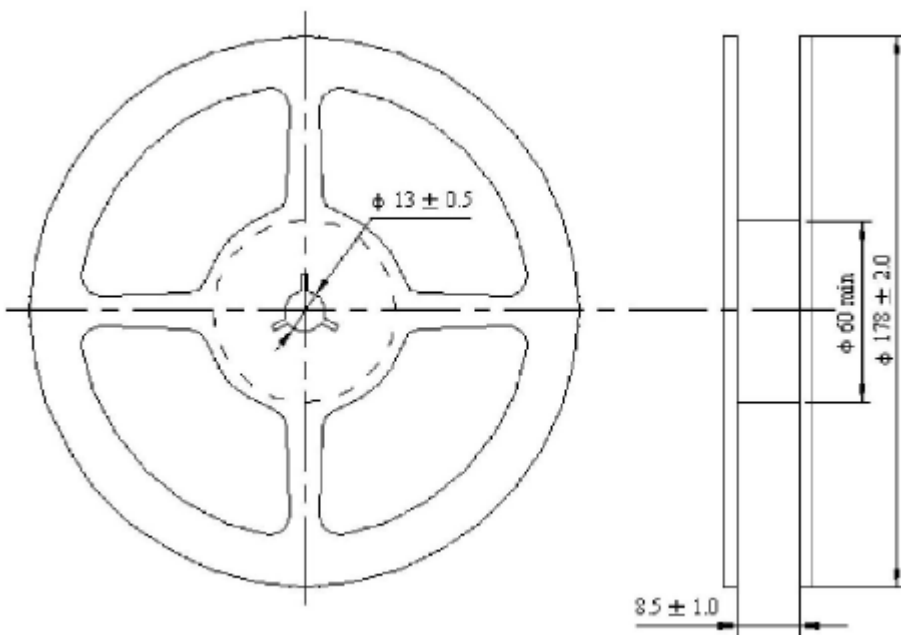


**E. PCB Footprint**

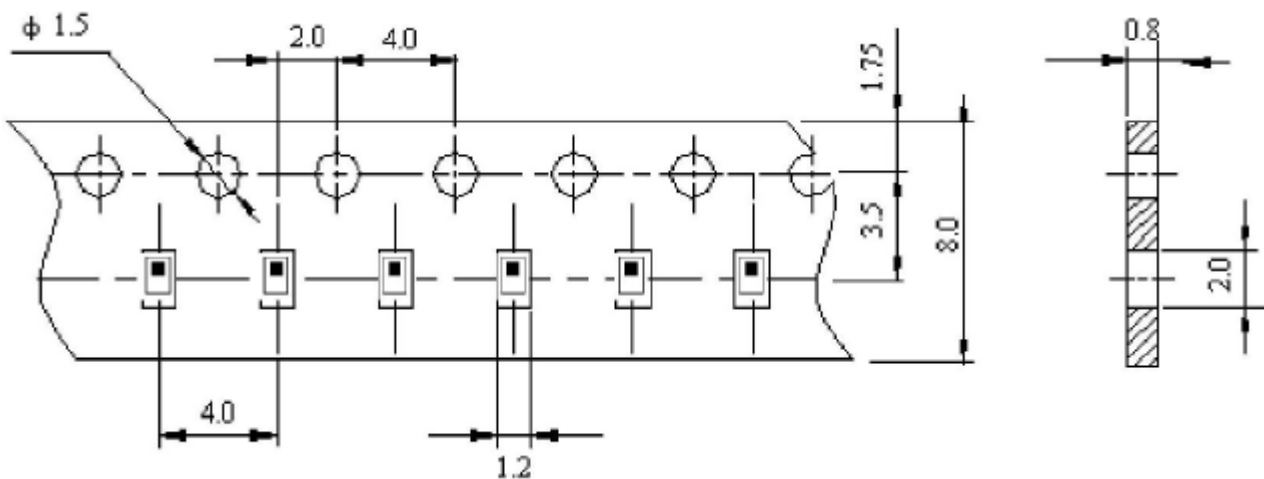


**F. Packing:**

**1.Reel(6000pcs/reel)**



**2.Plastic Tape**



### 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 245~260°C peak (min. 10sec).
4. Time : 2 times.

