



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

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Product Specifications Approval Sheet

Product Name: Multi-layer Filter 3550 MHz SMD 1.6x0.8 mm (BW=500 MHz)

TST Parts No.: TL0001A

Customer Parts No.: _____

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

Checked by: _____ Nina Chen *Nina Chen*

Approved by: _____ Kazuma Lee *Kazuma Lee*

Date: _____ 2022/03/03

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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Multi-layer Filter 3550 MHz

MODEL NO.: TL0001A

REV. NO.:3

A. MAXIMUM RATING:

1. Input Power Level: 27 dBm
2. DC Voltage : 0 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level (MSL1)

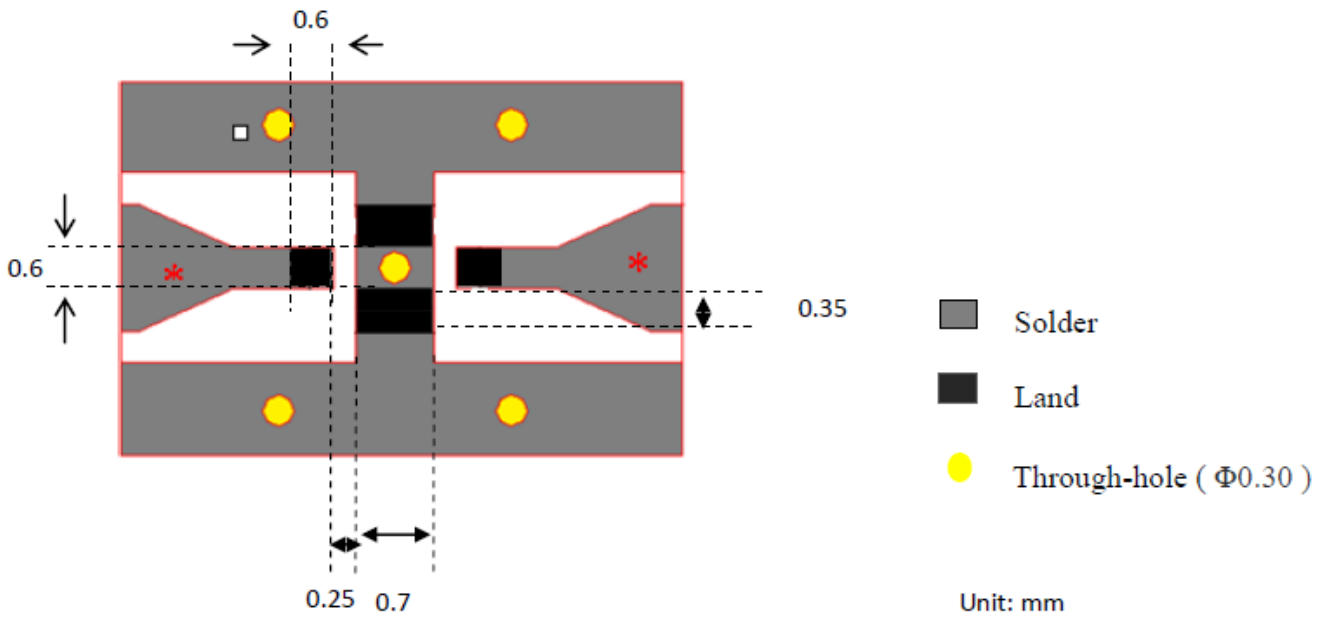


Electrostatic Sensitive Device (ESD)

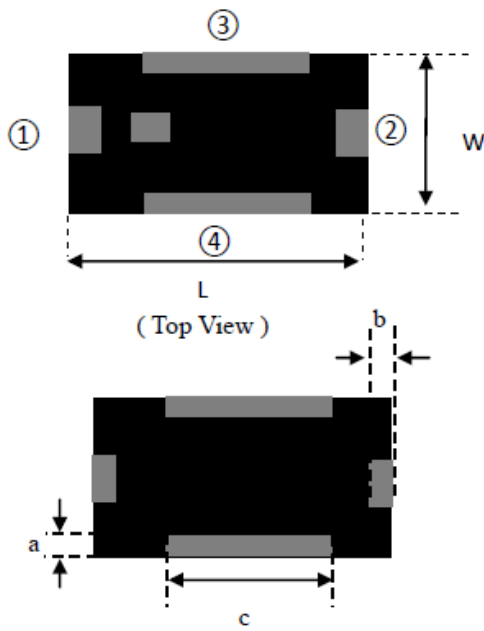
B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Spec
Central Frequency Fc	MHz	3550
Band Width	MHz	500
Insertion loss (3300~3800 MHz) IL	dB	1.3 Max
V.S.W.R (3300~3800 MHz)	dB	2.0 Max
Attenuation (Reference level from 0 dB)		
2600 MHz	dB	20 Min
In/Output Impedance	ohm	50 Ω

C. RECOMMENDED PCB LAYOUT:



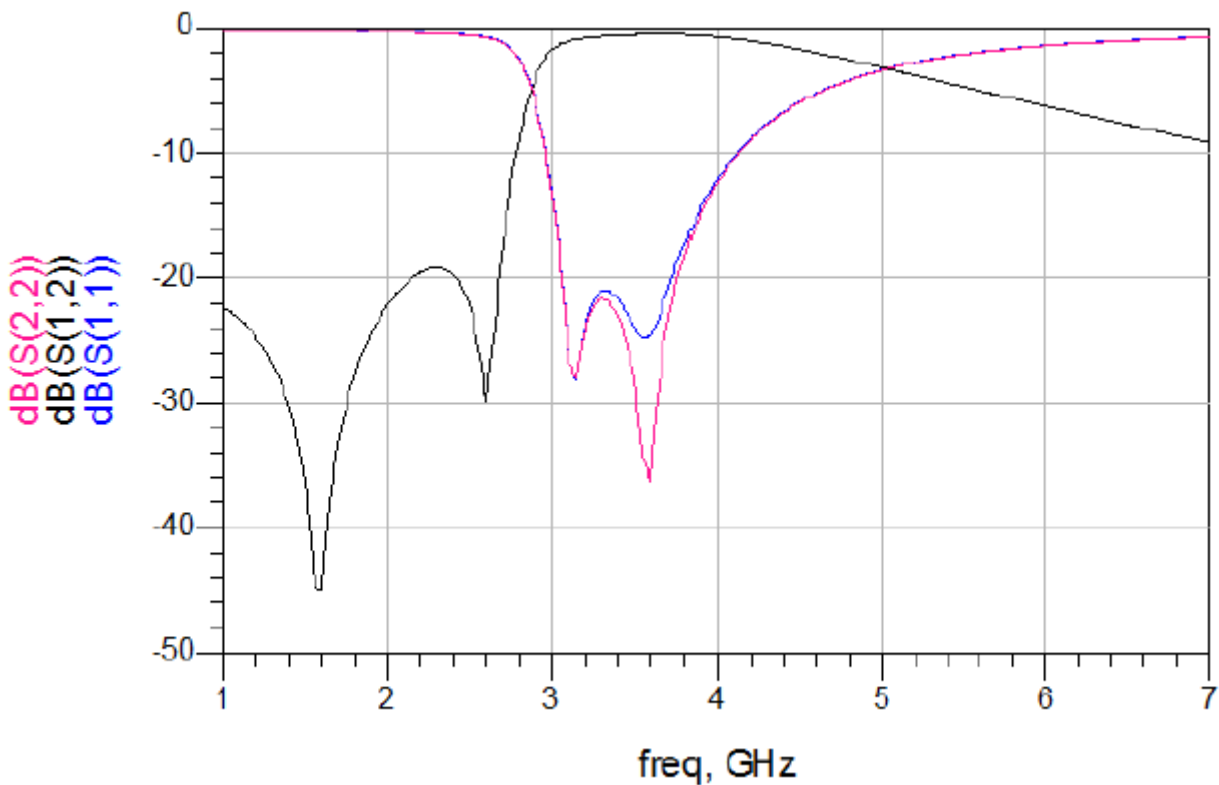
D. OUTLINE DRAWING:



Number	Terminal Name	Number	Terminal Name
①	Input	③	GND
②	Output	④	GND

Symbol	L	W	T	a	b	c	d
Dimension (mm)	1.6±0.10	0.8±0.10	0.6±0.10	0.20±0.10	0.20±0.10	0.60±0.15	0.3±0.10

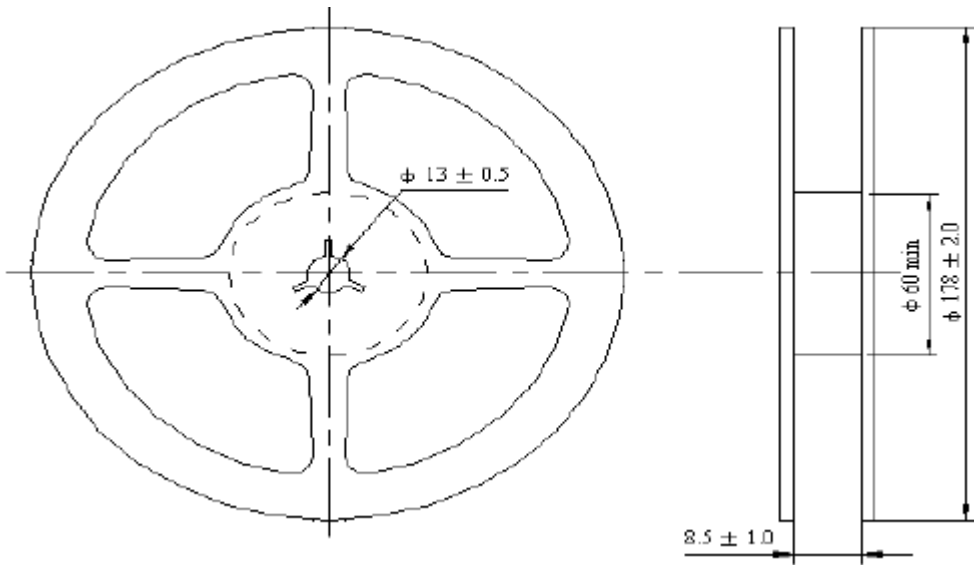
E. Frequency Characteristics:



F. PACKING:

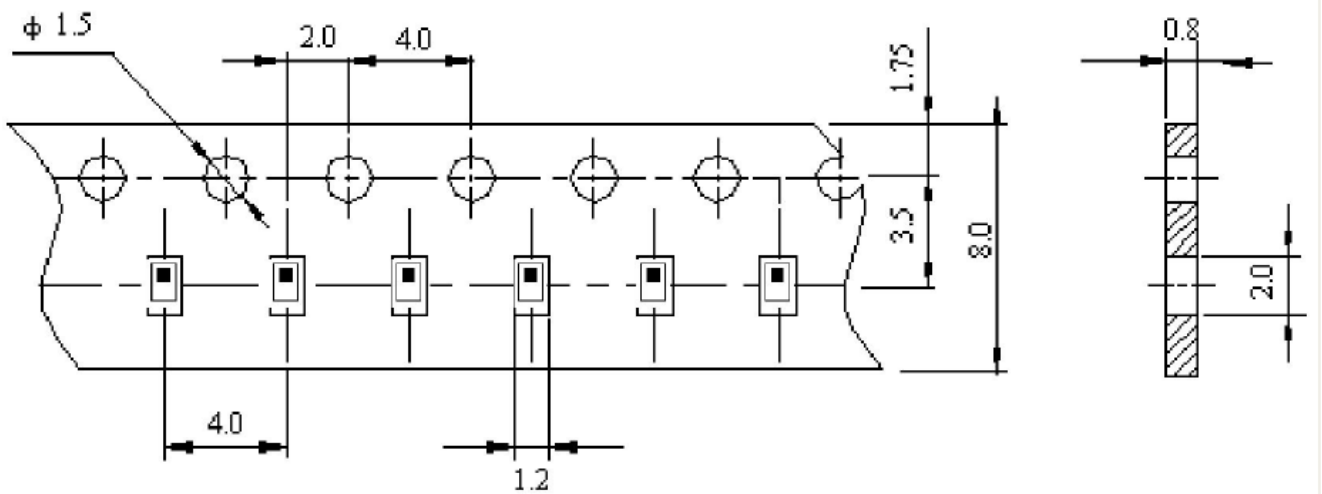
1. REEL DIMENSION (6000 pcs/Reel)

(Please refer to FR-75D10 for packing quantity)



2. TAPE

DIMENSION



H. Recommended Reflow Profile:

1. Preheating shall be fixed at $150\sim 180^{\circ}\text{C}$ 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 $260^{\circ}\text{C} \pm 5^{\circ}\text{C}$ peak (20~40sec).
4. Time: 2 times.

