



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 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: _____ Hong Pu Lin *Hong Pu Lin*

Approved by: _____ Andy Yu *Andy Yu*

Date: _____ 2019/09/26

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.:2

A. MAXIMUM RATING:

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

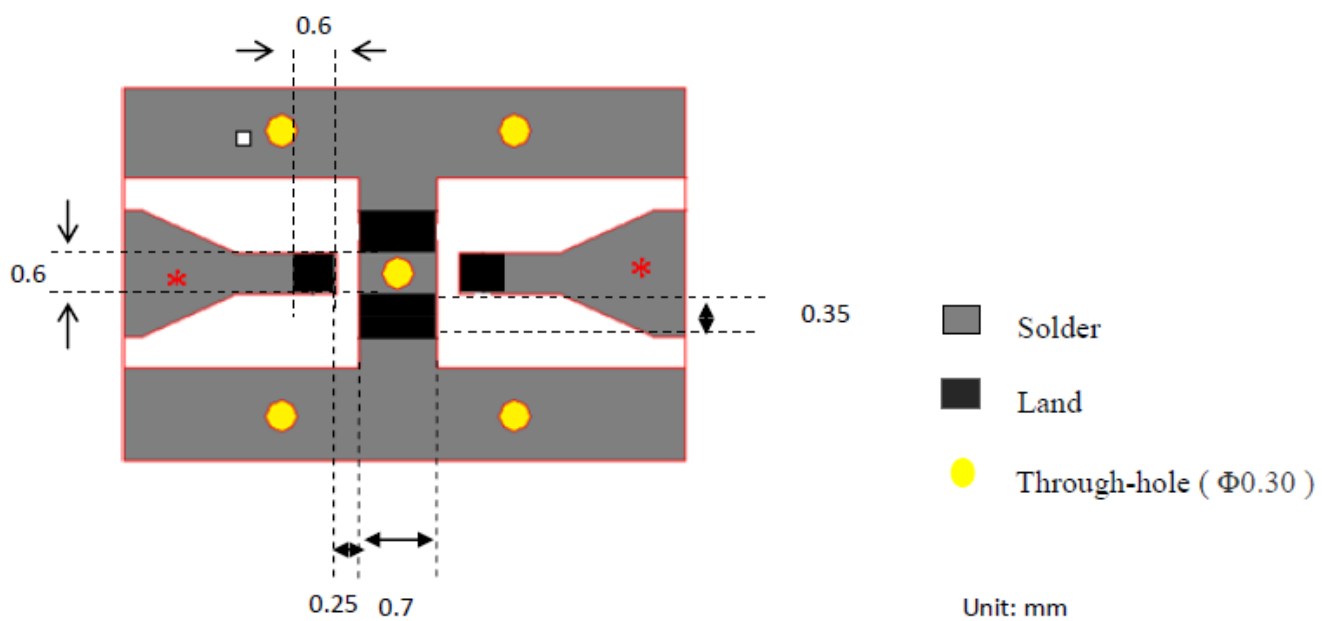
RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

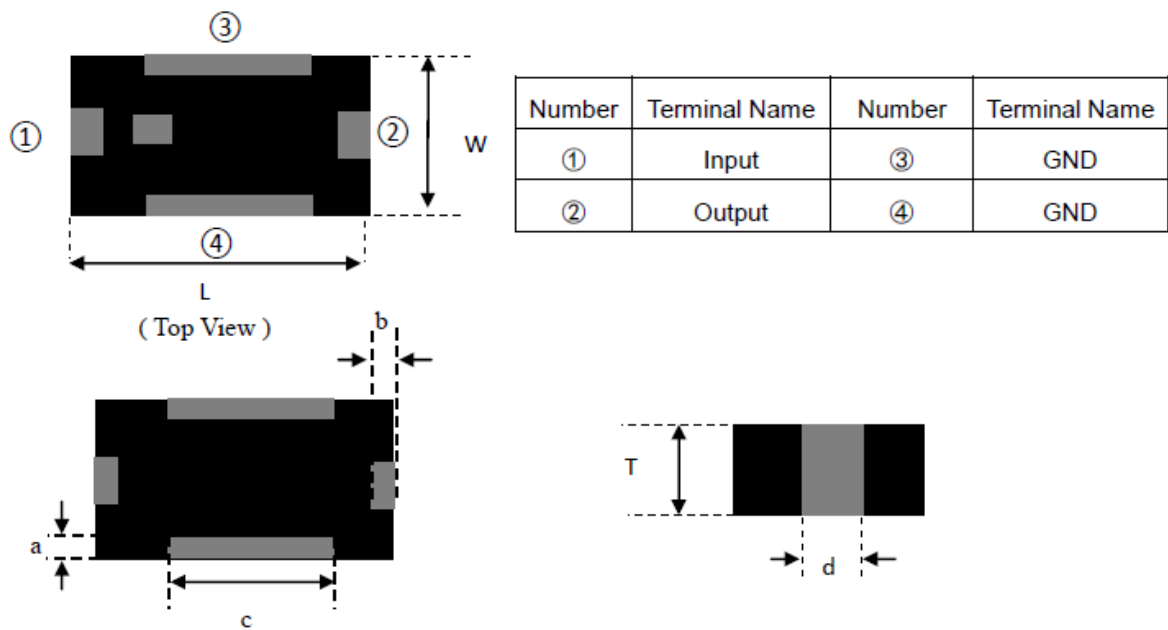
B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Spec
Central Frequency F_c	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:

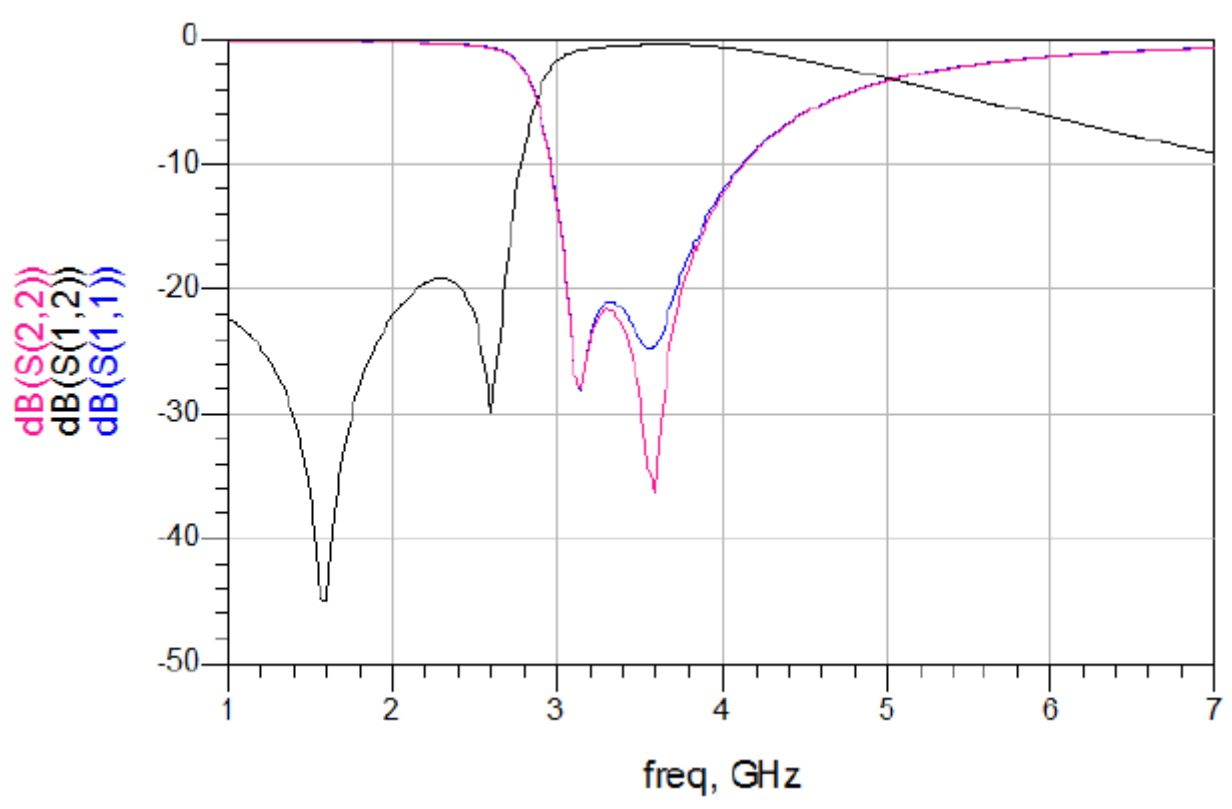


D. OUTLINE DRAWING:



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

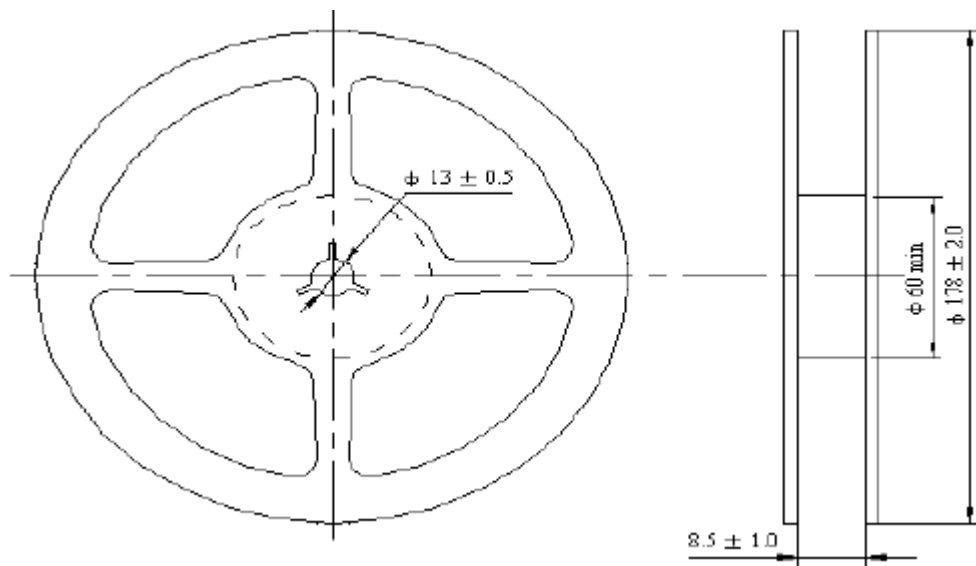
E. Frequency Characteristics:



F. PACKING:

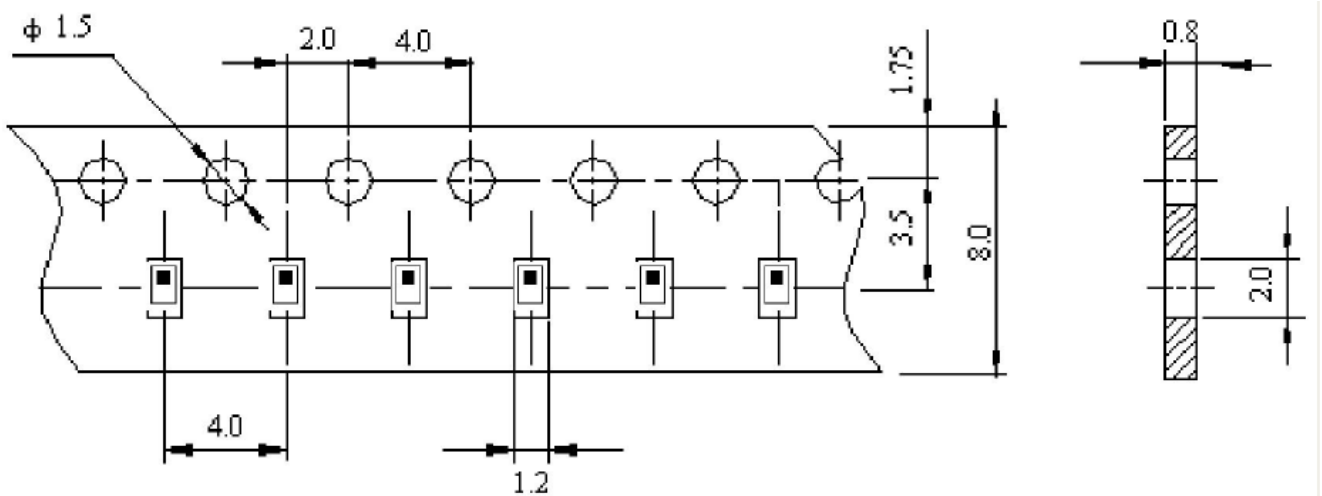
1. REEL DIMENSION (6000 pcs/Reel)

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



2. TAPE

DIMENSION



H. Recommended Reflow Profile:

1. Preheating shall be fixed at 150~180°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.

