



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Product Specifications Approval Sheet

Product Description: LTCC Filter 915 MHz SMD 2.0x1.25 mm (26MHz BW)

TST Part No.: TL0034A

Customer Part No.: _____

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

Checked by: _____ Hongpu Lin *Hong Pu Lin*

Approved by: _____ Andy Yu *Andy Yu*

Date: _____ 2019/11/18

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 change



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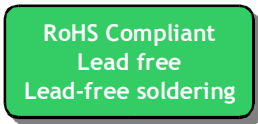
LTCC Filter 915 MHz SMD 2.0X1.25 mm (26 MHz BW)

MODEL NO.:TL0034A

REV.1

A. MAXIMUM RATING:

1. Operating temperature range: -40 °C to +85 °C
2. Storage temperature range: -40 °C to +85 °C
3. Moisture Sensitive Level: Level 1 (MSL1)

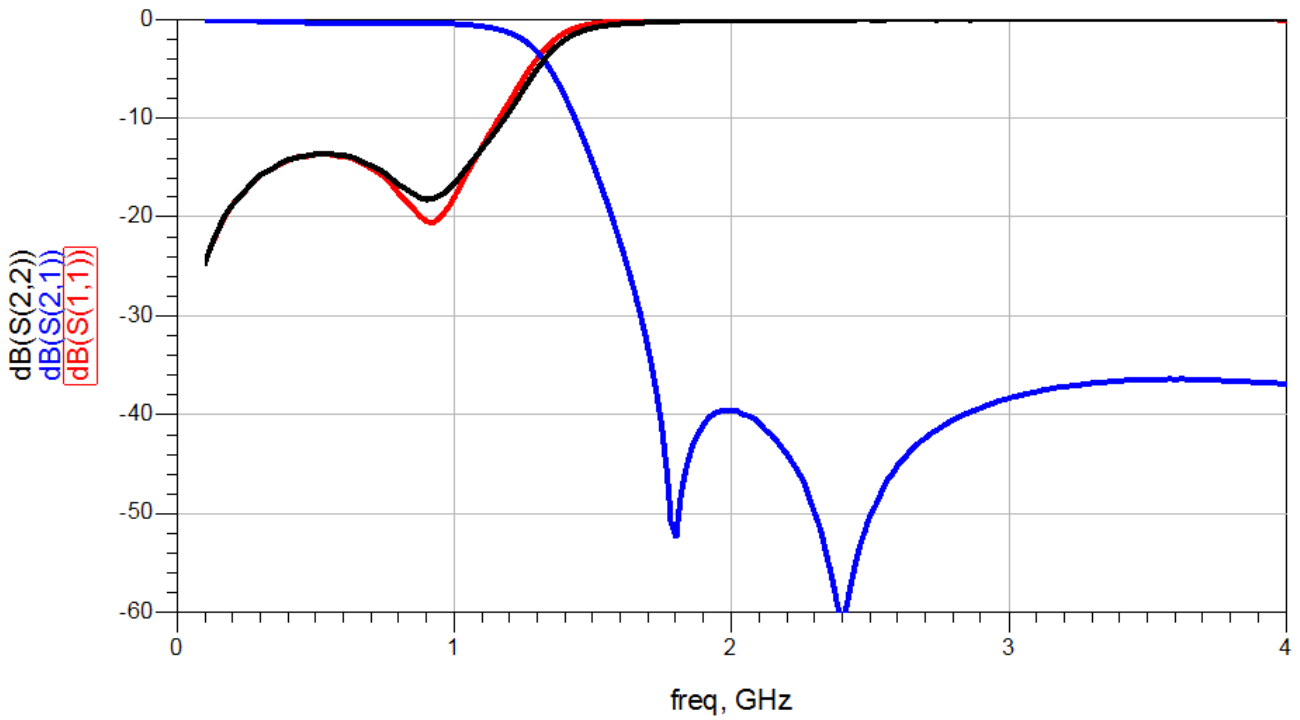


Electrostatic Sensitive Device (ESD)

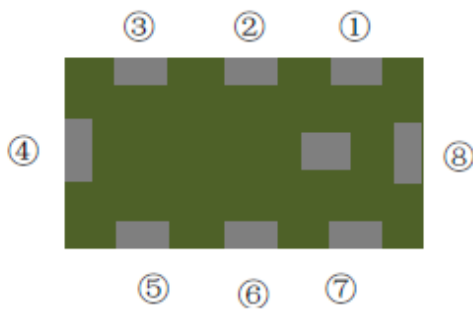
B. ELECTRICAL CHARACTERISTICS:

NO.	Item	Specifications
1.	Center Frequency	915MHz
2.	Insertion Loss (0 ~ 500MHz)	≤0.5dB
3.	Band Width	902 ~ 928 MHz
4.	Return Loss (in BW)	≥ 14dB
5.	Attenuation	≥ 30dB @ 1830MHz ≥ 30dB @ 2745MHz
6.	Permissible Input Power	0.5W
7.	In/Output Impedance	50Ω

C. FREQUENCY CHARACTERISTICS:

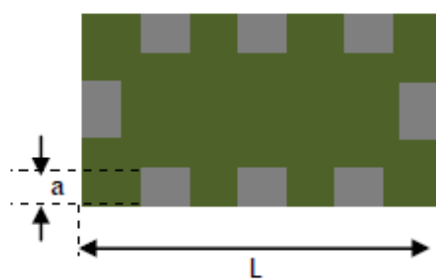


D. OUTLINE DRAWING:

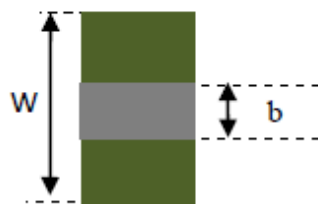


Number	Terminal Name	Number	Terminal Name
①	GND	⑤	GND
②	NC	⑥	NC
③	GND	⑦	GND
④	OUTPUT	⑧	INPUT

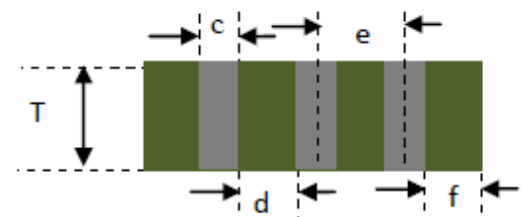
(Top View)



(Bottom View)



(Side View)

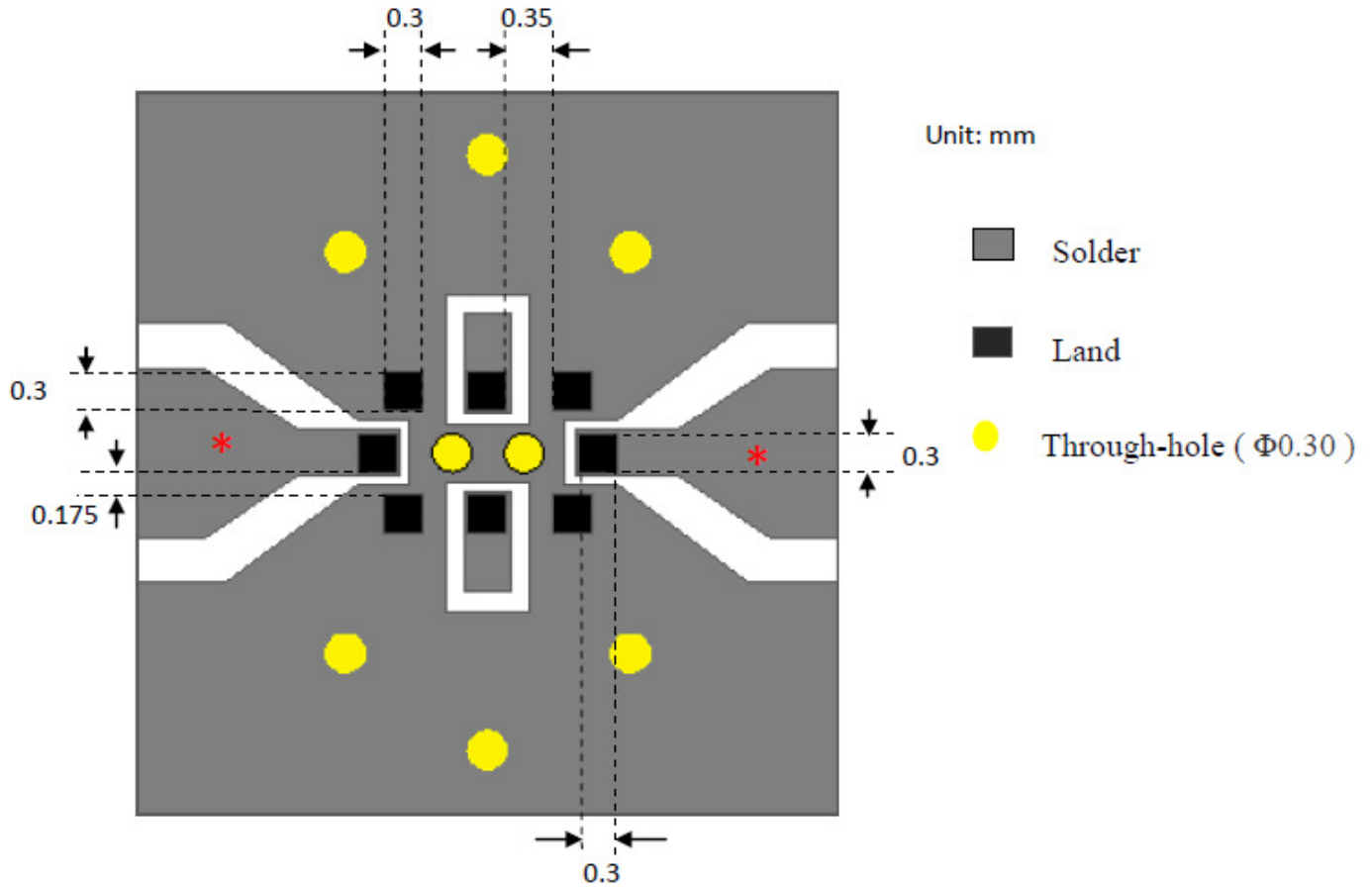


(Side View)

(Unit: mm)

Symbols	L	W	T	a	b	c	d	e	f
Dimensions	2.0+/- 0.2	1.25+/- 0.2	0.95+/- 0.1	0.3+/- 0.15	0.3+/- 0.15	0.3+/- 0.15	0.35+/- 0.15	0.65+/- 0.15	0.20+/- 0.15

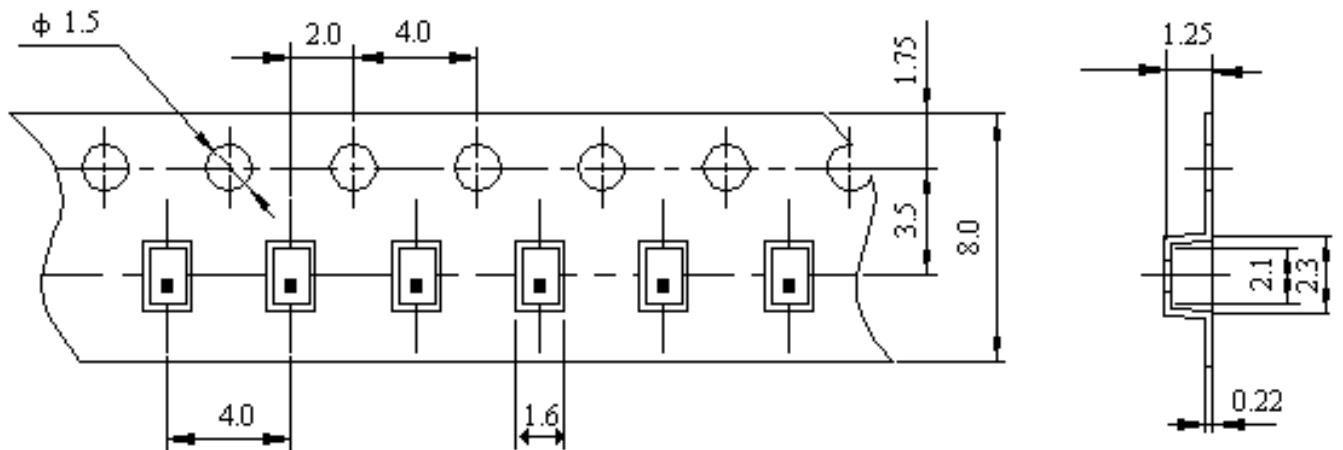
E. PCB FOOT PRINT:



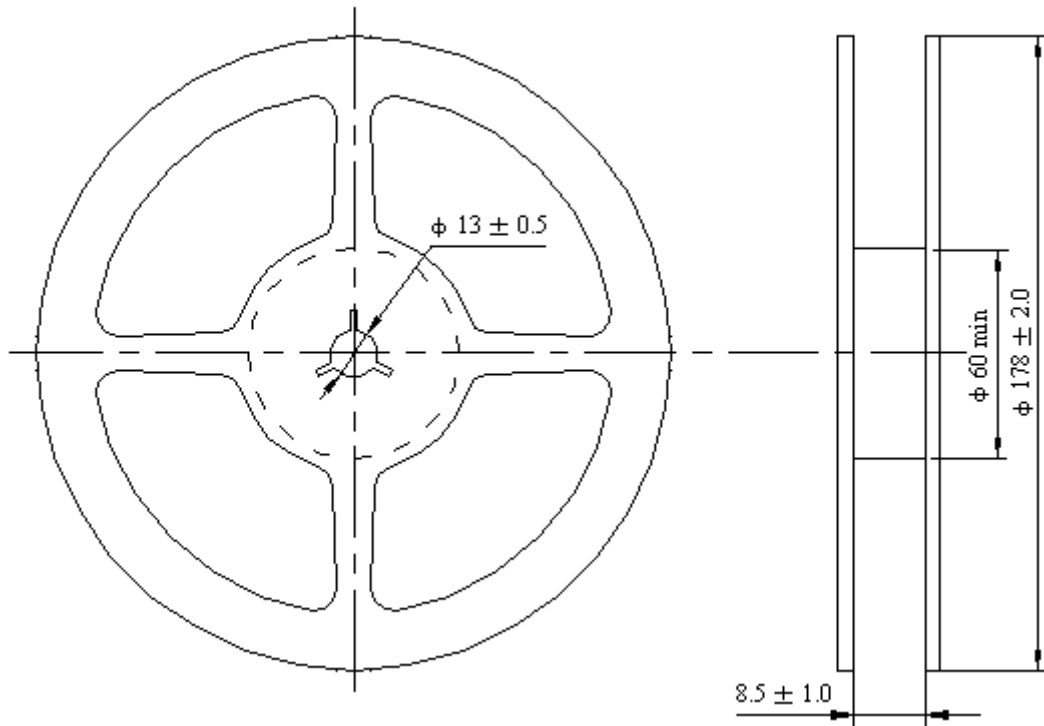
*Line width should be designed to match 50 Ω characteristic impedance, depending on PCB material and thickness.

F. PACKING:

1. TAPE DIMENSION



2. REEL DIMENSION (4000pcs/Reel)



G. 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 $260^{\circ}\text{C} +0/-5^{\circ}\text{C}$ peak (20~40sec).
4. Time: 2 times.

