

TAI-SAW TECHNOLOGY CO., LTD.

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Product Specifications Approval Sheet

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Product Name: Dielectric filter 3550MHz size15.9x4.4mm
TST Parts No.: TR0040AA0095
Customer Parts No.:
Customer signature required
Company:
Division:
Approved by :
Date:
Checked by: Alisa Kuo
L-uma lee

1. Customer signed back is required before TST can proceed with sample build and receive orders.

Approved by:_____

- 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.

Kazuma Lee

2021/11/03



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Dielectric filter 3550MHz size 15.9x4.4mm

MODEL NO.: TR0040AA0095 REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 10W max.

2. DC Voltage: 0 V

3. Operating Temperature: -40°C to +85°C

4. Storage Temperature:-40°C to +85°C

5. Input/output impedance: 50 Ω

6. Moisture Sensitive Level: Level 2a (MSL2a)

B. <u>ELECTRICAL CHARACTERISTICS</u>:

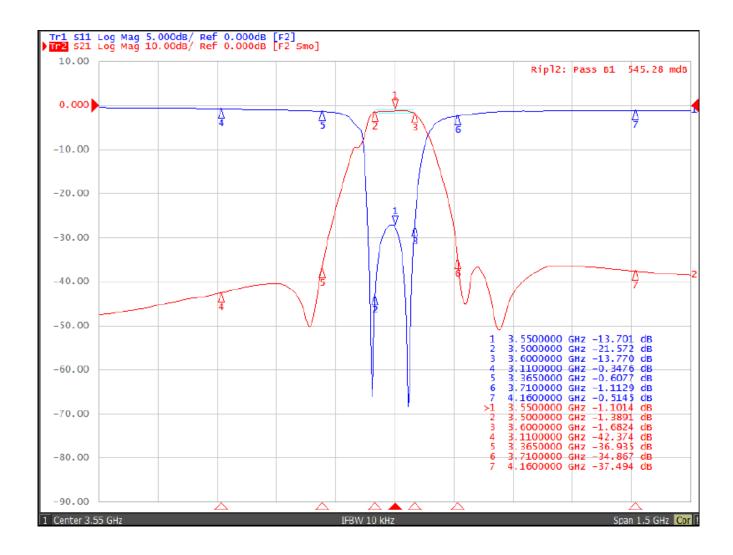


Electrostatic Sensitive Device (ESD)

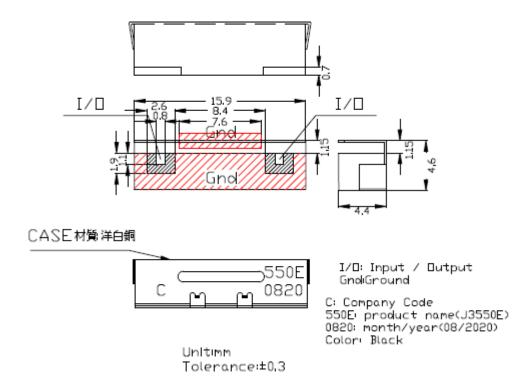
20	ITEM		SPECIFICATION		
NO.			Min	Тур	Max
1	CENTER FREQUENCY		3550MHz		
2	PASS BAND WIDTH		3500~3600MHz		
3	PASS BAND INSERTION LOSS			1.6dB	2.0dB
4	PASS BAND RIPPLE			0.6dB	1.0dB
5	PASS BAND RETURN LOSS		10 dB		
6	STOP-BAND ATTENUATION	3110~3365MHz	30 dB		
		3710~4160MHz	30 dB		

Item NO.4 specifies the absolute value of attenuation

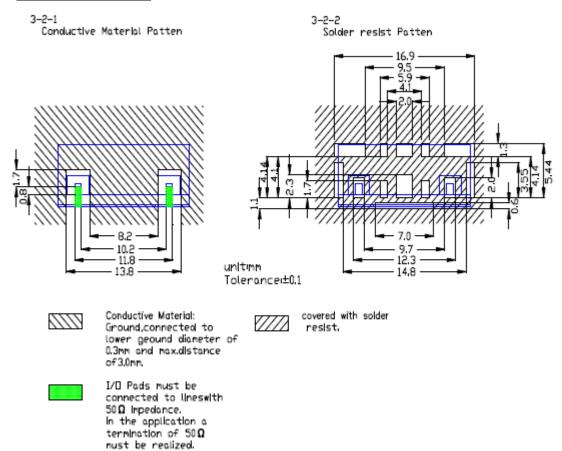
C. FREQUENCY CHARACTERISTICS:



D. **DIMENSION**:

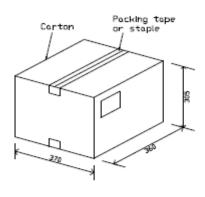


E.PCB FOOTPRINT:

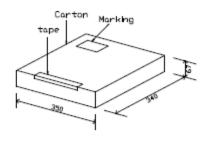


F. PACKING:

 Outer Carton QuanyIty/3200PCS

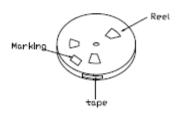


Inner Carton QuanyIty 800PCS



- Bag Quanyity:800PCS
 - Bag D o O

 Taping Quanyity:800PCS



Unitimm

G. RECOMMENDED REFLOW PROFILE:

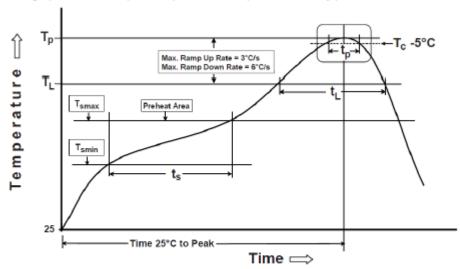
Recommended Reflow Soldering Profile

Cirocomm products can be assembled following Pb-free assembly. According to the Standard IPC/JEDEC J-STD-020C, the temperature profile suggested is as follow:

Phase	Profile features	Pb-Free Assembly (SnAgCu)	
PREHEAT	-Temperature Min(Tsmin) -Temperature Max(Tsmax) -Time(ts) form (Tsmin to Tsmax)	150°C 200°C 60-120 seconds	
RAMP-UP	Avg. Ramp-up Rate (Tsmax to TP)	3°C/second(max)	
REFLOW	-Temperature(TL) -Total Time above TL (t L)	217℃ 30-100 seconds	
PEAK	-Temperature(TP) -Time(tp)	260°C 3 second	
RAMP-DOWN	Rate	6°C / second max.	
Time from 25°C to Peak Temperature		8 minutes max.	
Composition of solder paste		96.5Sn/3Ag/0.5Cu	
Solder Paste Model		SHENMAO PF606-P26	

Note: All the temperature measure point is on top surface of the component, if temperature over recommend, it will make component surface peeling or damage.

The graphic shows temperature profile for component assembly process in reflow ovens



Soldering With Iron:

Soldering condition: Soldering iron temperature 270±10 ℃.

Apply preheating at 120°C for 2-3 minutes. Finish soldering for each terminal within 3 seconds, if soldering iron over temperature 270±10 °C or 3 seconds, it will make component surface peeling or damage. Soldering iron can not leakage of electricity.