



# 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

E-mail: [tstsales@mail.taisaw.com](mailto:tstsales@mail.taisaw.com) Web: [www.taisaw.com](http://www.taisaw.com)

## Product Specifications Approval Sheet

Product Description: Dielectric Filter 3840MHz SMD15.9x4.5mm BW 280MHz  
TST Parts No.:TR0048AA0092

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

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

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

Approved by: \_\_\_\_\_ Kazuma Lee *Kazuma Lee*

Date: \_\_\_\_\_ 2022/04/15

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.



# 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

E-mail: [tstsales@mail.taisaw.com](mailto:tstsales@mail.taisaw.com) Web: [www.taisaw.com](http://www.taisaw.com)

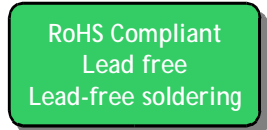
## Dielectric Filter 3840MHz SMD15.9x4.5mm BW 280MHz

MODEL NO.: TR0048AA0092

REV. NO.:1.0

### A. Maximum Rating:

1. Input Power Level: 30dBm.
2. DC Voltage : 0 V
3. Operating Temperature: -40°C to +105°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: 2a

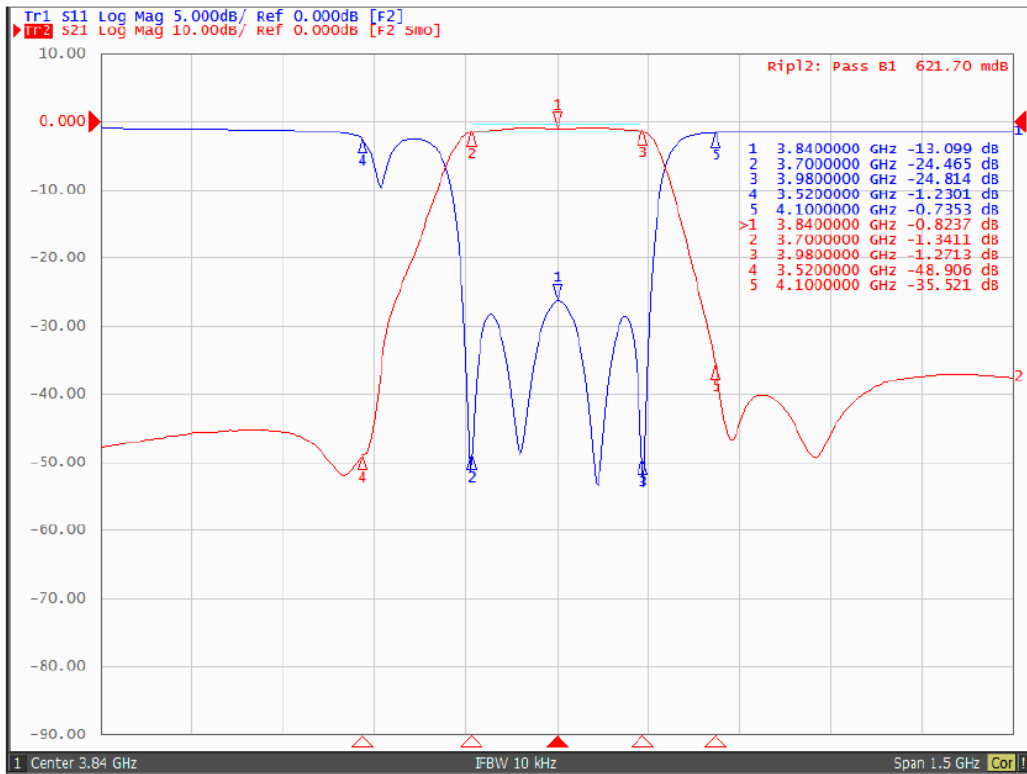


**Electrostatic Sensitive Device (ESD)**

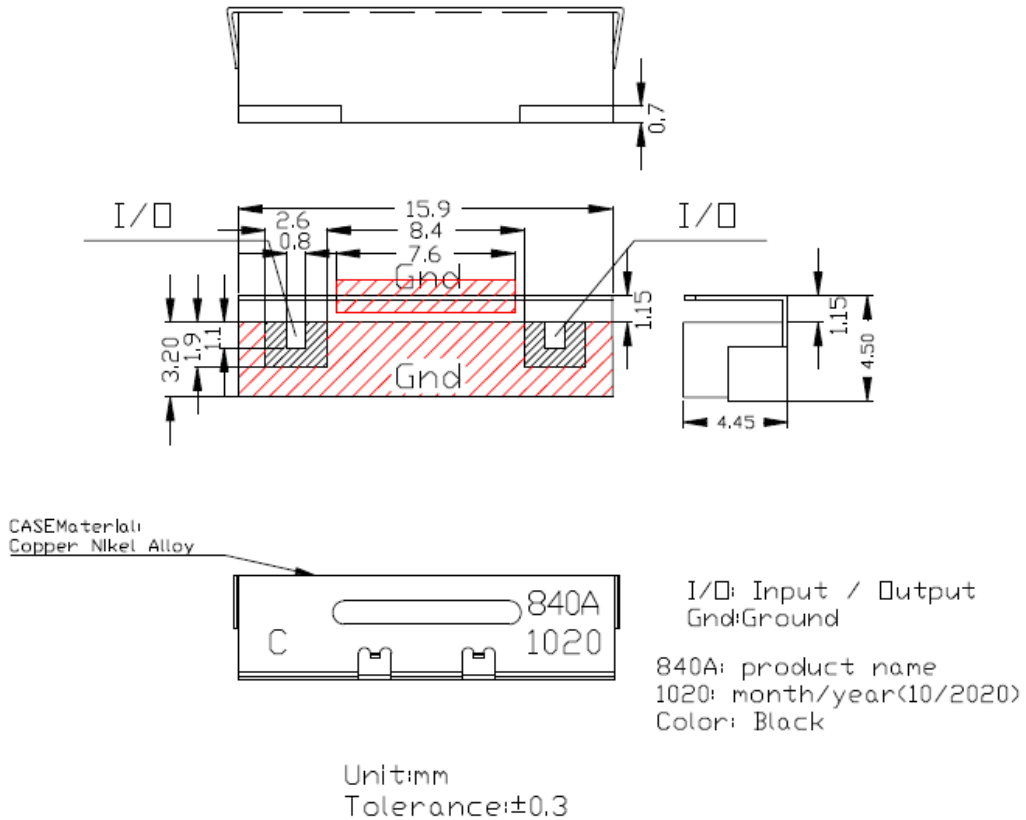
### B. Electrical Characteristics:

NO.	Item	Unit	Specification
1	Center frequency	MHz	3840
2	Width	MHz	280
3	Insertion Loss	dB	2.0(Max)
4	Amplitude Ripple	dB	1.2(Max)
5	Return Loss	dB	10(Min)
6	Attenuation	3520 MHz	40(Min)
		4100 MHz	30(Min)
Item NO.6 specification the absolute value of attenuation			

### C. Frequency Characteristics:

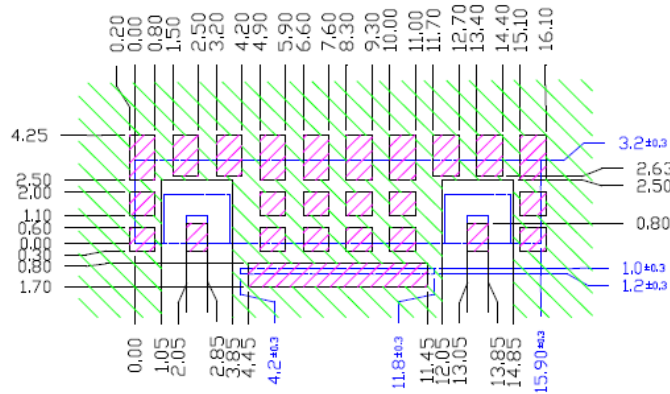


### D. Dimension:




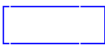


### E. PCB Foot Print:

PCB Layout

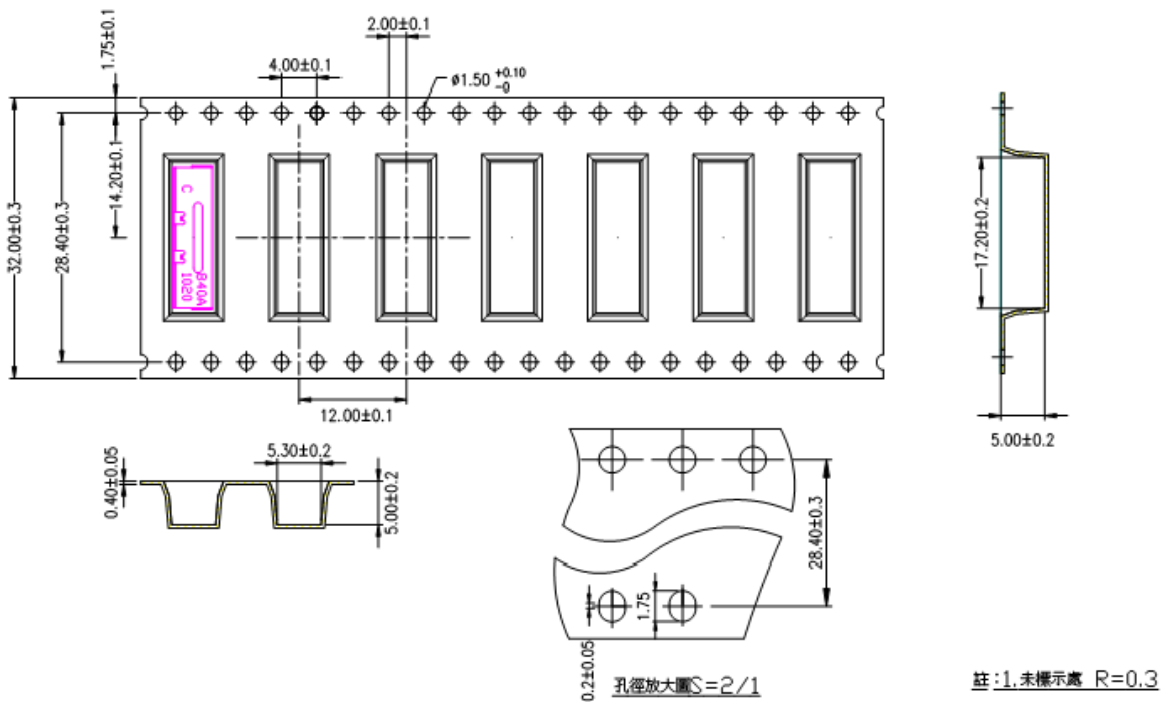


unit:mm  
Tolerance:±0.1

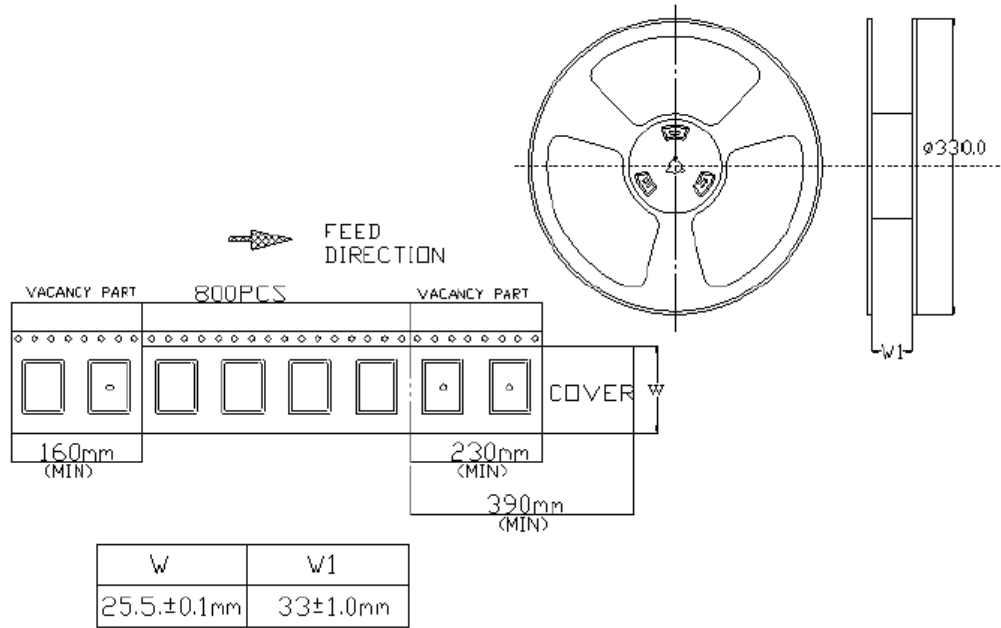
- |   |                              |  |                               |
|---|------------------------------|--|-------------------------------|
|    | Solder Resist Over Conductor |    | Solder Resist Over Dielectric |
|  | Exposed Conductor            |  | filter outline                |

### F.Packing:

Carrier tape

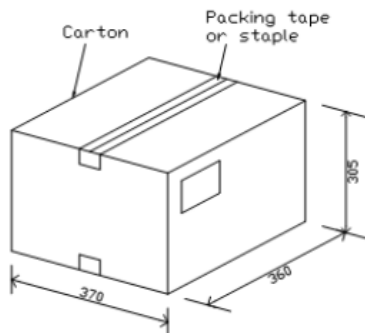


### 3-3-2 Reel

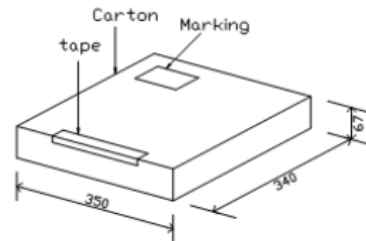


### Package style

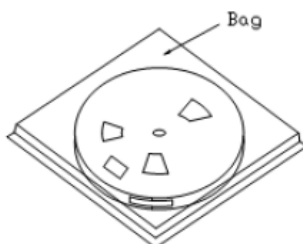
1. Outer Carton  
Quantity: 3200PCS



2. Inner Carton  
Quantity: 800PCS



3. Bag  
Quantity: 800PCS



4. Taping  
Quantity: 800PCS

