



# 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 Name: Dielectric filter 5795MHz BW 80MHz Size 8.7x3.22mm

TST Parts No.: TR0041AA0092

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: \_\_\_\_\_ 2021/07/15

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)

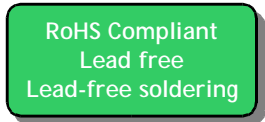
## Dielectric filter 5795MHz BW80MHz Size 8.7x3.22mm

MODEL NO.: TR0041AA0092

REV. NO.:2

### A. MAXIMUM RATING:

1. DC Voltage : 0 V
2. Operating Temperature: -40°C to +85°C
3. Storage Temperature:-40°C to +85°C
4. Input/output impedance: 50 Ω
5. Input Power:1W
6. Moisture Sensitivity Level:Level 2a(MSL2a)

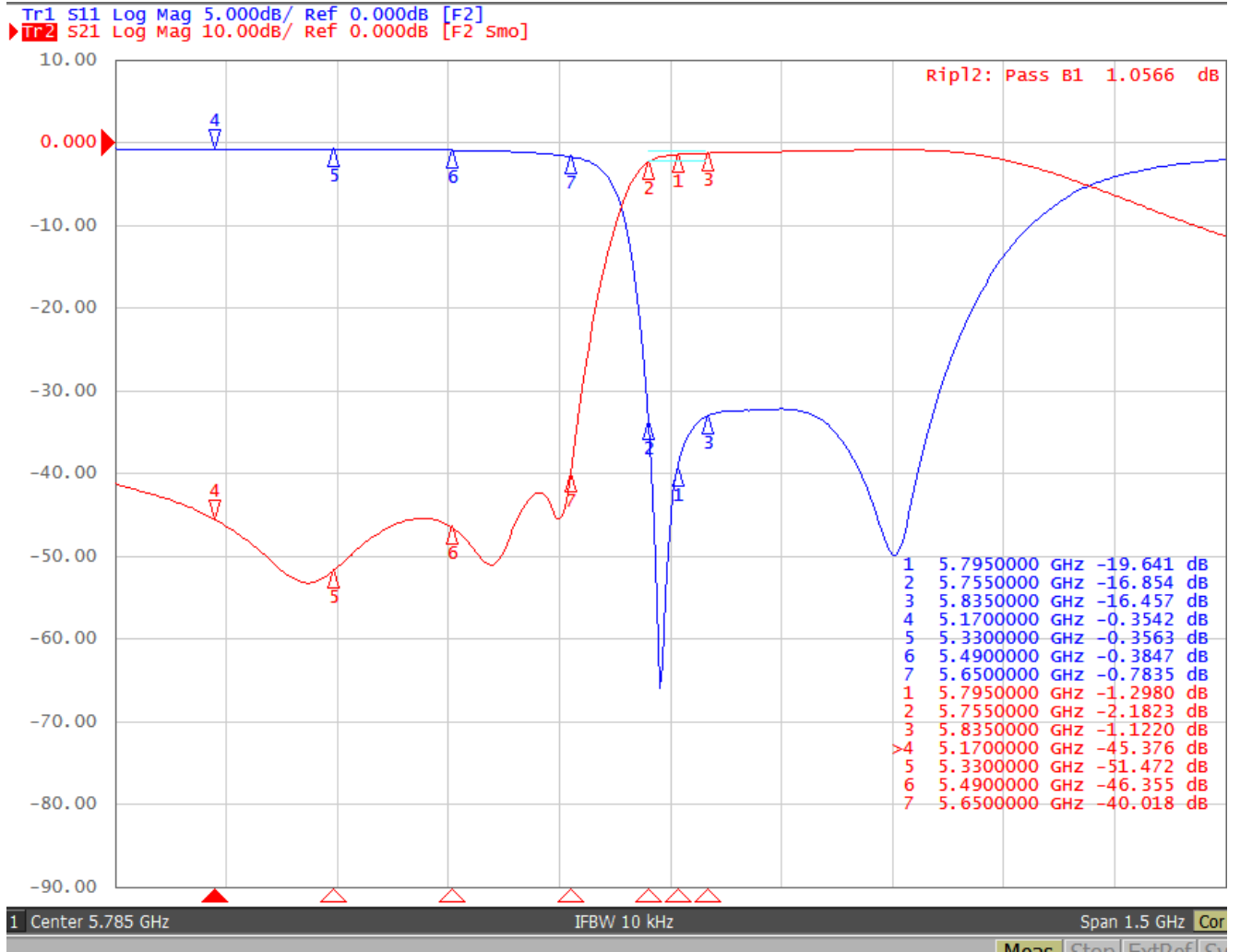


**Electrostatic Sensitive Device (ESD)**

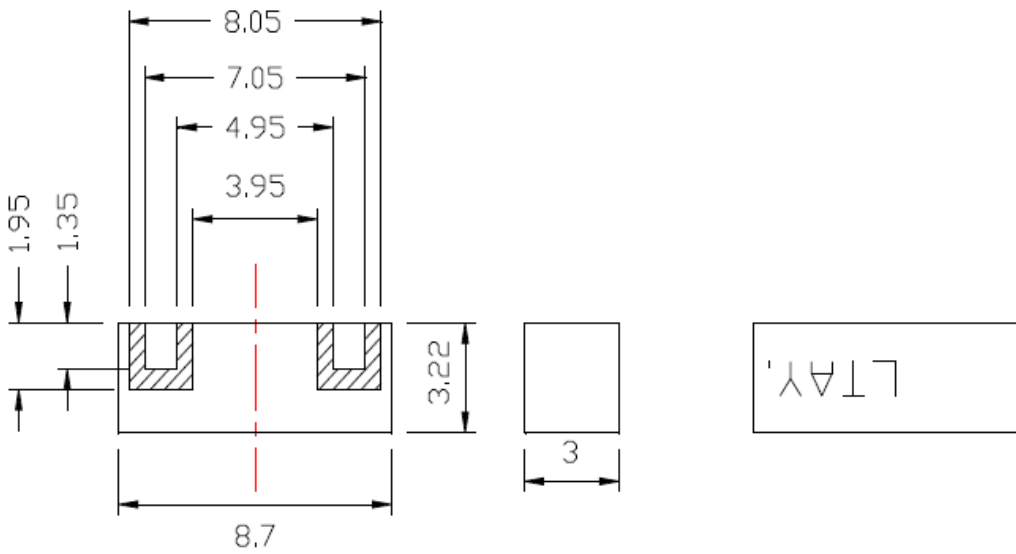
### B. ELECTRICAL CHARACTERISTICS:

ITEM		SPECIFICATION		
		min	typ	max
PASS BAND INSERTION LOSS(5755~5835MHz)		-	2.0dB	2.5dB
PASS BAND RIPPLE(5755~5835MHz)		-	1.0dB	1.5dB
PASS BAND RETURN LOSS(5755~5835MHz)		10dB	-	-
STOP-BAND ATTENUATION	5170 ~ 5330 MHz	40dB	42dB	-
	5490 ~ 5650 MHz	30dB	35dB	-
<b>Item NO.4 specifies the absolute value of attenuation.</b>				

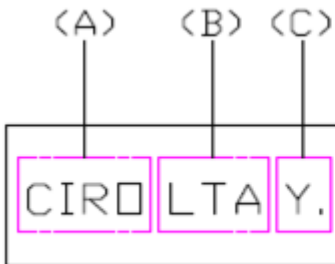
### C. FREQUENCY CHARACTERISTICS:



**D. DIMENSION:**



Dimensions in mm  
Tolerance : ±0.25



- (A) Company name : CIRO for CIROCOMM
- (B) Product name : LTA for 5795
- (C) Year/Month : Please refer to the Table-1

**( Table-1 )**

Year	Month	Code	Year	Month	Code	Year	Month	Code	Year	Month	Code
2012 2016 2020 2024	1	A	2013 2017 2021 2025	1	N	2014 2018 2022 2026	1	A.	2015 2019 2023 2027	1	N.
	2	B		2	P		2	B.		2	P.
	3	C		3	Q		3	C.		3	Q.
	4	D		4	R		4	D.		4	R.
	5	E		5	S		5	E.		5	S.
	6	F		6	T		6	F.		6	T.
	7	G		7	U		7	G.		7	U.
	8	H		8	V		8	H.		8	V.
	9	J		9	W		9	J.		9	W.
	10	K		10	X		10	K.		10	X.
	11	L		11	Y		11	L.		11	Y.
	12	M		12	Z		12	M.		12	Z.

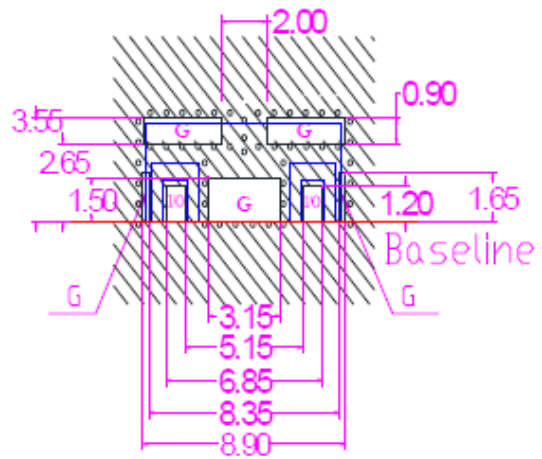
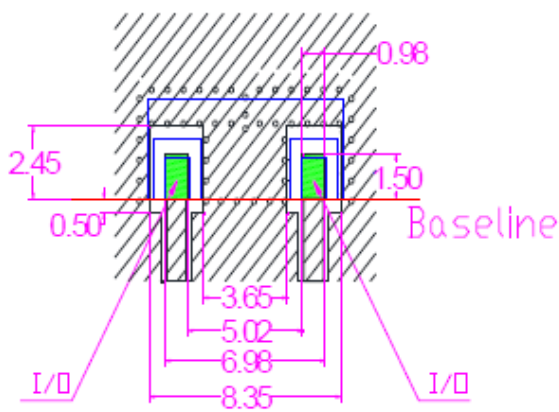
**E.PCB RECOMMENDED PATTERN FOR FILTER:**

**Note: Test PCB material:ROGERS(RO4003C), 0.8mm.**

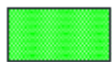
**The filter use limit: the layout goes away PCB edge.**

3-2-1  
Conductive Material  
Patten

3-2-2  
Solder resist  
Patten

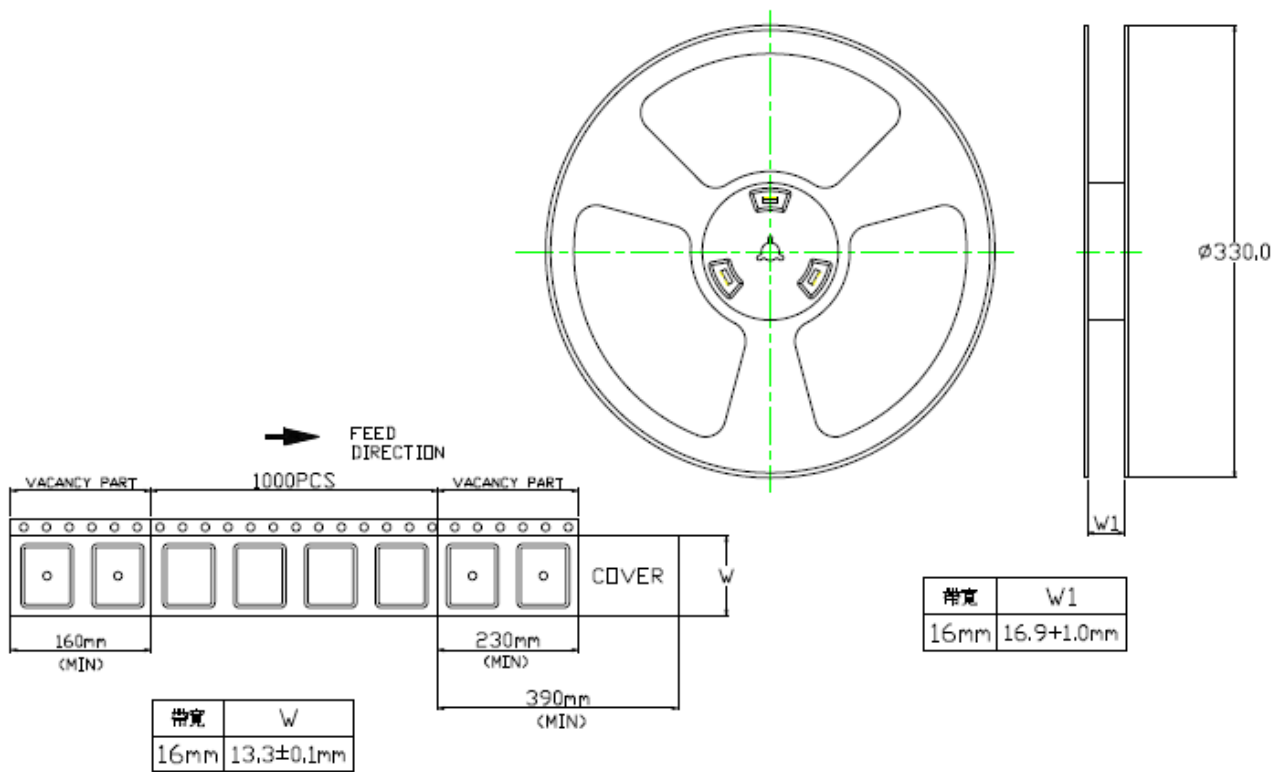
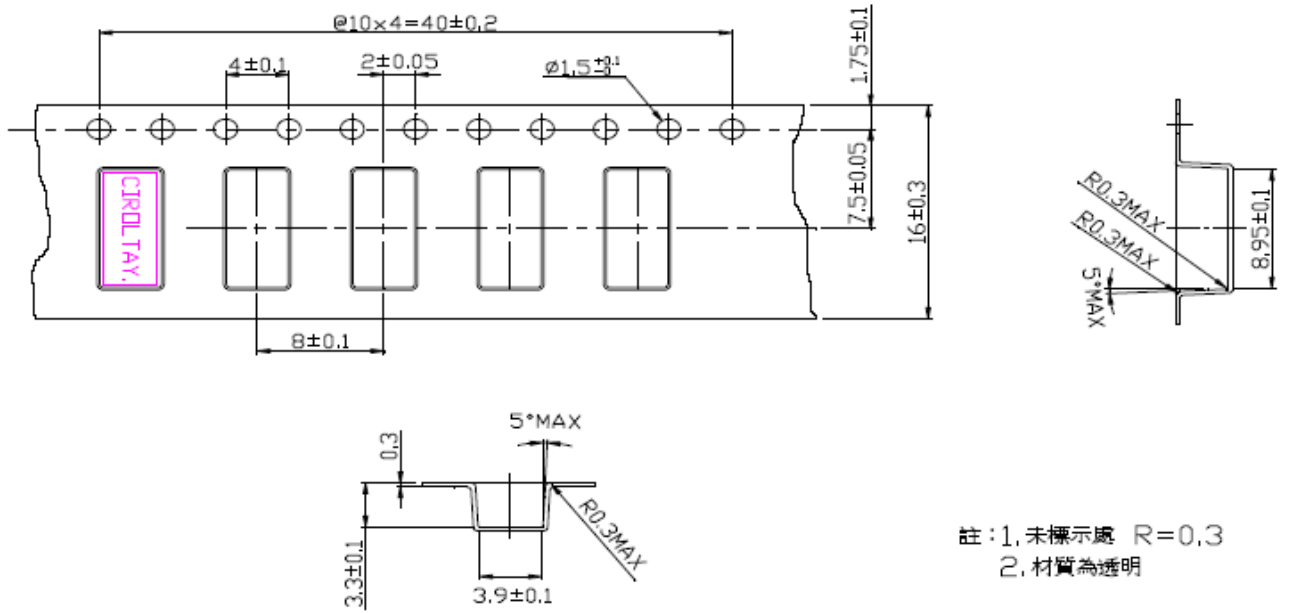


Tolerance:±0.2  
I/O:Input/Output  
G:Ground



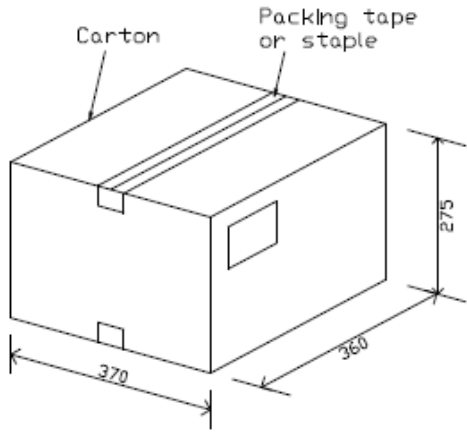
I/O Pads must be connected to lines with 50 Ω impedance. in the application a termination of 50 Ω must be realized.

**F.DELIVERY MODE:**

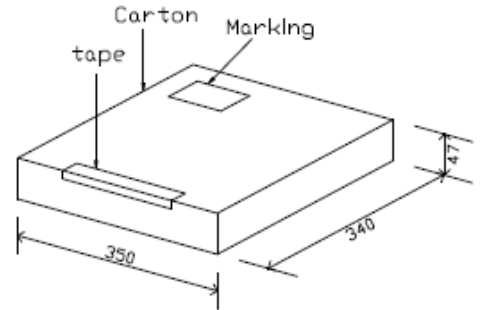


**G.PACKAGE STYLE:**

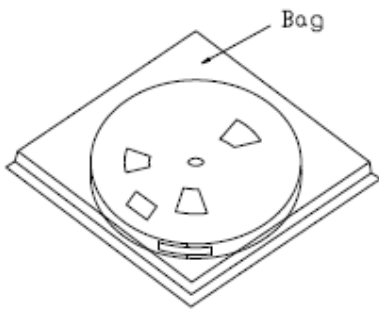
1. Outer Carton  
Quanyity:5000PCS



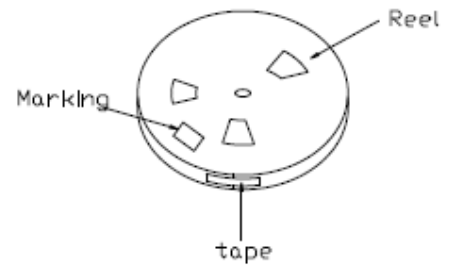
2. Inner Carton  
Quanyity:1000PCS



3. Bag  
Quanyity:1000PCS



4. Taping  
Quanyity:1000PCS



Unit:mm