



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 Web: 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: _____ 2021/01/11

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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Dielectric filter 5795MHz BW80MHz Size 8.7x3.22mm

MODEL NO.: TR0041AA0092

REV. NO.:1

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)

RoHS Compliant
Lead free
Lead-free soldering

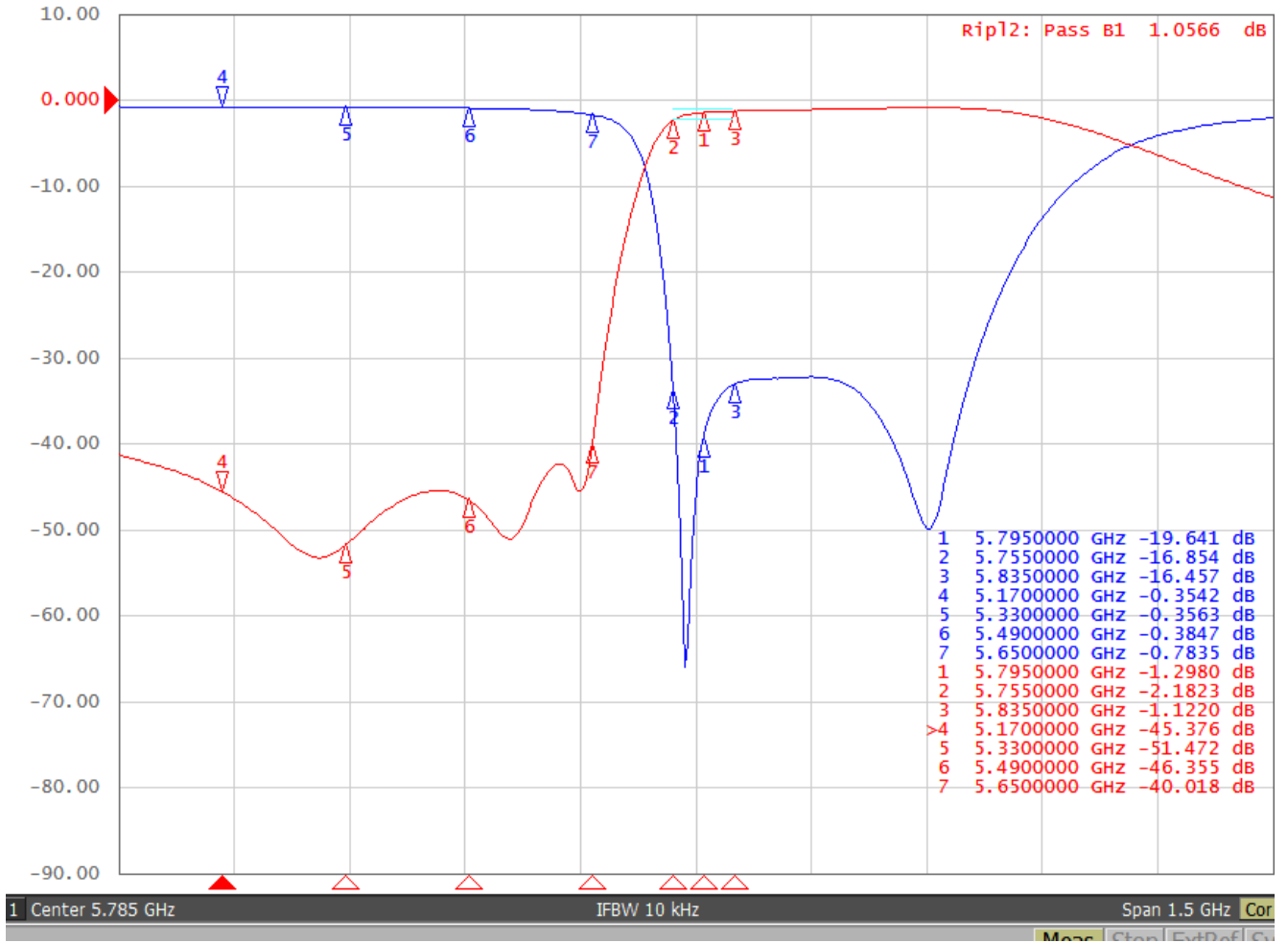
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

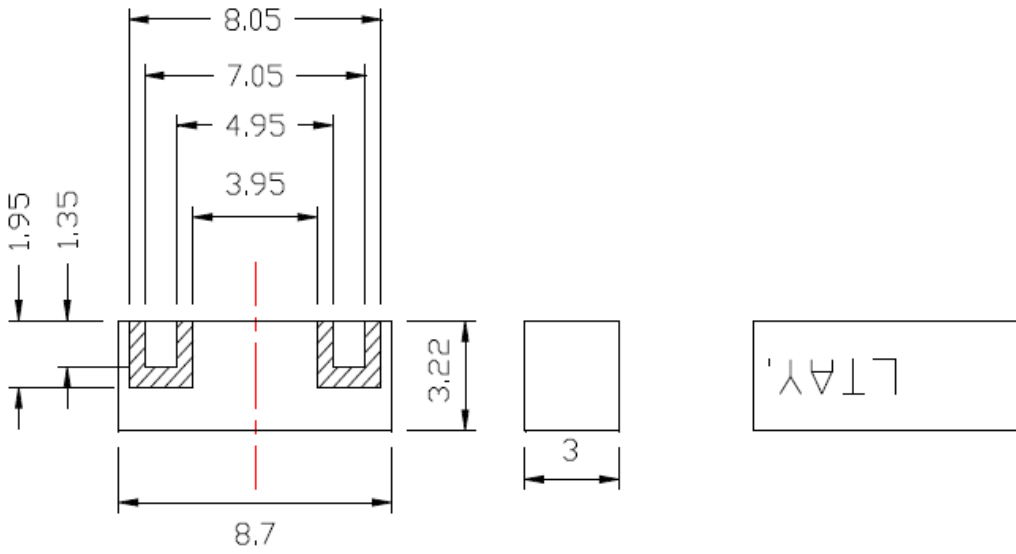
ITEM		SPECIFICATION		
		min	typ	max
PASS BAND INSERTION LOSS(5755~5835MHz)		-	2.0dB	2.5dB
PASS BAND RIPPLE(5755~5835MHz)		-	1.0dB	1.5dB
PASS BAND RETURN LOSS(5755~5835MHz)		10dB	-	-
STOP-BAND ATTENUATION	5170 ~ 5330 MHz	40dB	42dB	-
	5490 ~ 5650 MHz	30dB	35dB	-
Item NO.4 specifies the absolute value of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

C. FREQUENCY CHARACTERISTICS:

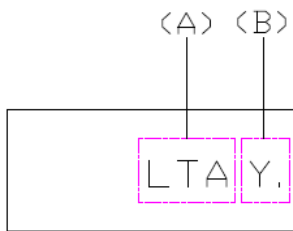
Tr1 S11 Log Mag 5.000dB/ Ref 0.000dB [F2]
 Tr2 S21 Log Mag 10.00dB/ Ref 0.000dB [F2 Smo]



D. DIMENSION:



Dimensions in mm
Tolerance : ± 0.25



(A) Product name : LTA for 5795
(B) 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.

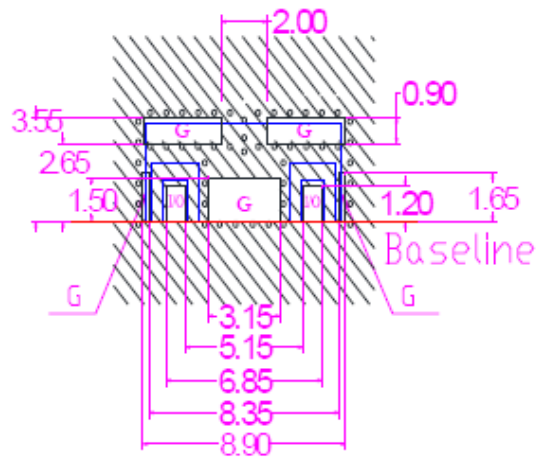
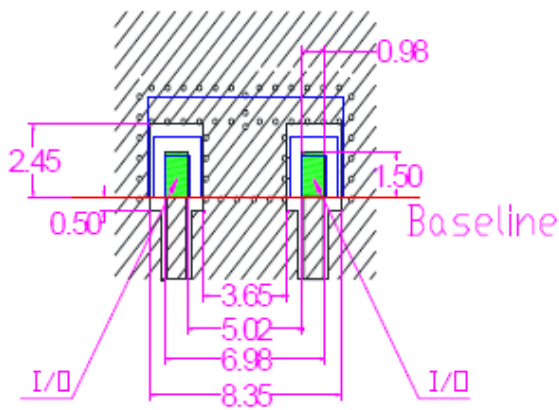
E.PCB RECOMMENDED PATTERN FOR FILTER:

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

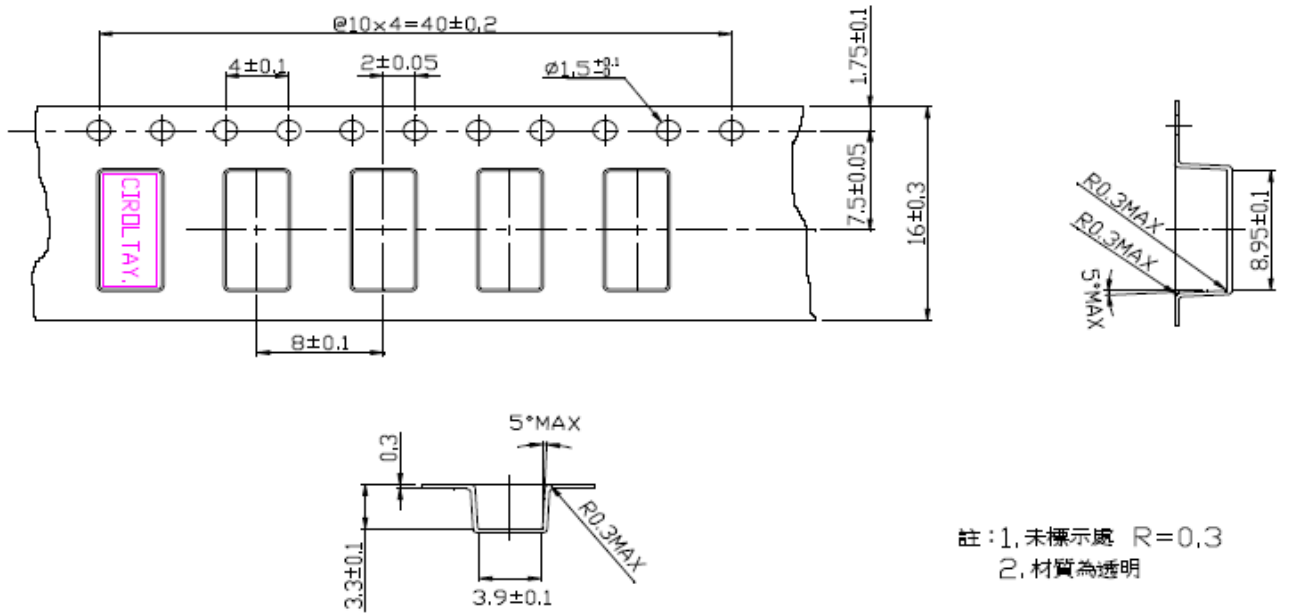


Tolerance:±0.2
I/O:Input/Output
G:Ground

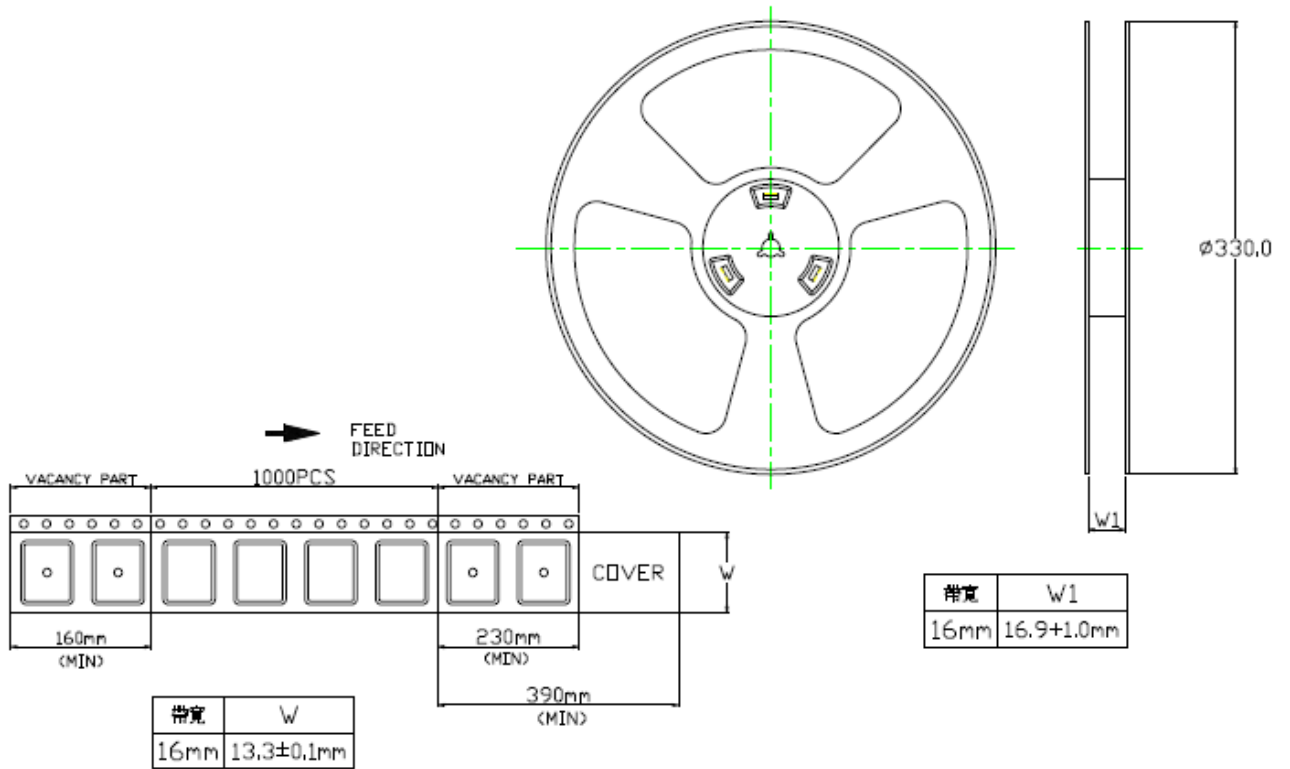


I/O Pads must be connected to lines with 50 Ω impedance. in the application a termination of 50 Ω must be realized.

F.DELIVERY MODE:



註：1. 未標示處 R=0.3
2. 材質為透明

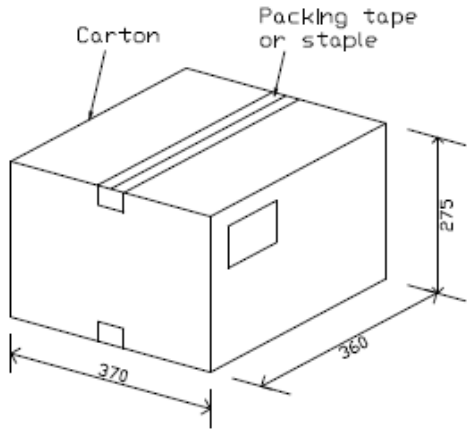


帶寬	W1
16mm	16.9+1.0mm

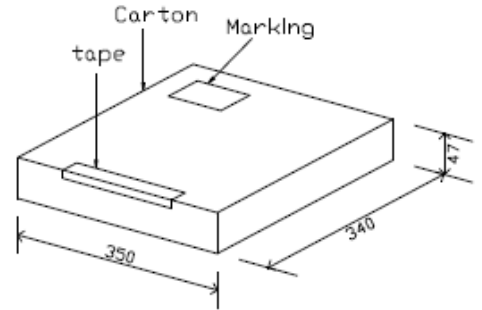
帶寬	W
16mm	13.3±0.1mm

G.PACKAGE STYLE:

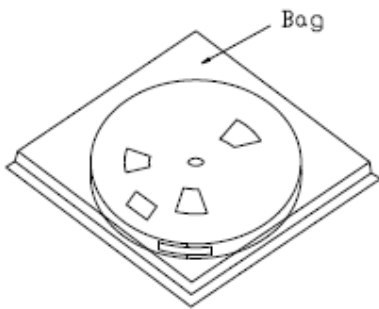
1. Outer Carton
Quanyity:5000PCS



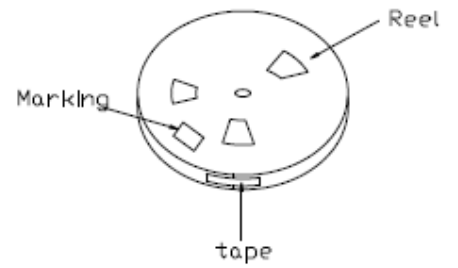
2. Inner Carton
Quanyity:1000PCS



3. Bag
Quanyity:1000PCS



4. Taping
Quanyity:1000PCS



Unit:mm