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: SAW Filter 881.5 MHz 25 MHz Bw SMD 3.0 x 3.0 mm

TST Parts No.:TA0166B

Customer Parts No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Anne Chen_____

Approved by:_____Andy Yu_____

Date:_____10, 08, 2019_____

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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SAW Filter 881.5MHz For Mobile Communication

MODEL NO.: TA0166B ~Low Loss~ REV. NO.:1

RoHS Compliant

Lead-free soldering

Electrostatic Sensitive Device (**ESD**)

A. MAXIMUM RATING:

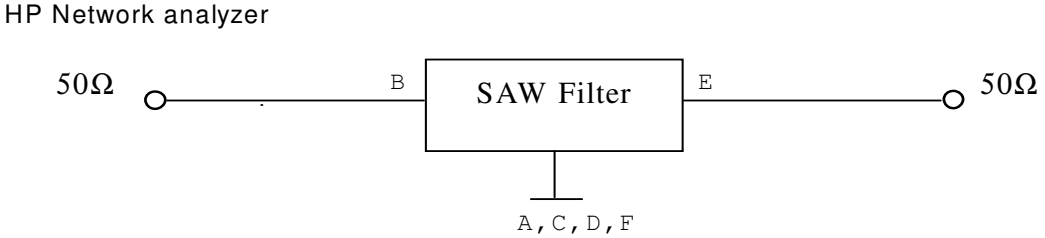
1.Input Power Level: 10 dB_m
2.DC voltage: 0 V
3.Operating Temperature: -40°C to +85°C
4.Storage Temperature: -40°C to +85°C
5.Moisture Sensitivity Level: Level 1 (**MSL 1**)
6. ESD 100V(MM) 200V(HBM)

B. ELECTRICAL CHARACTERISTICS:

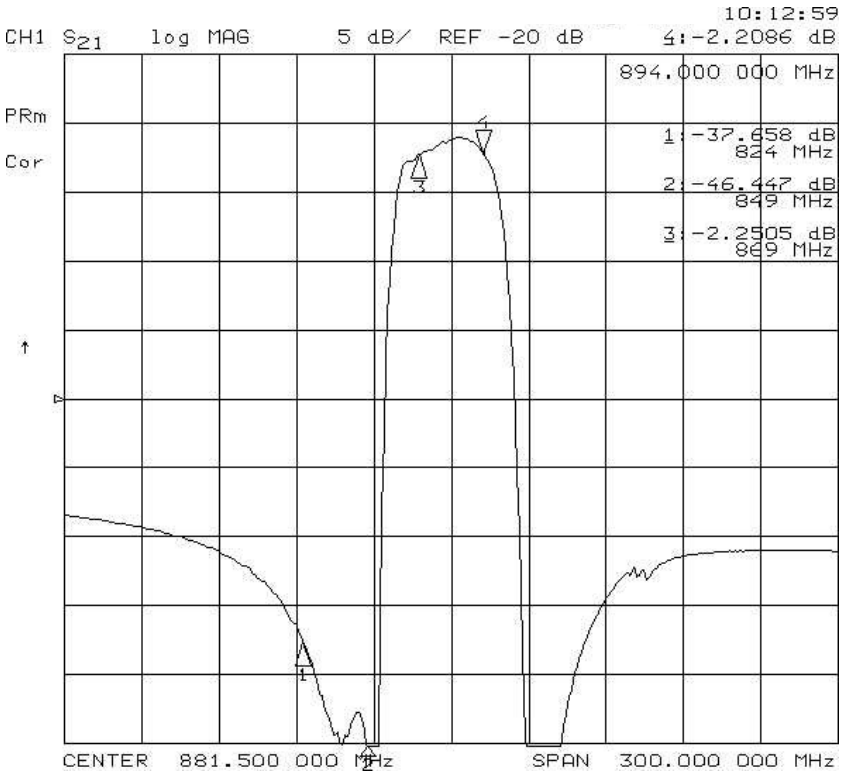
Characteristics		Min.	Typ.	Max.
Center frequency **Fc** (dB)		-	881.5	-
Insertion loss within 869 ~894 MHz **IL** (dB)		-	2.2	3.2
Amplitude ripple (p-p) within 869 ~ 894 MHz (dB)		-	0.9	2.2
Attenuation (Reference level from 0 dB)				
10 ~ 800 MHz (dB)		20.0	28.0	-
824 ~ 849 MHz (dB)		35.0	38.0	-
939 ~ 1088 MHz (dB)		28.0	31.0	-
1088 ~ 1119 MHz (dB)		28.0	32.0	-
1119 ~ 2600 MHz (dB)		20.0	26.0	
VSWR within 869 ~894 MHz		-	1.7	2.2
Source impedance Zs (Ω)		-	50	-
Load impedance Z_L (Ω)		-	50	-

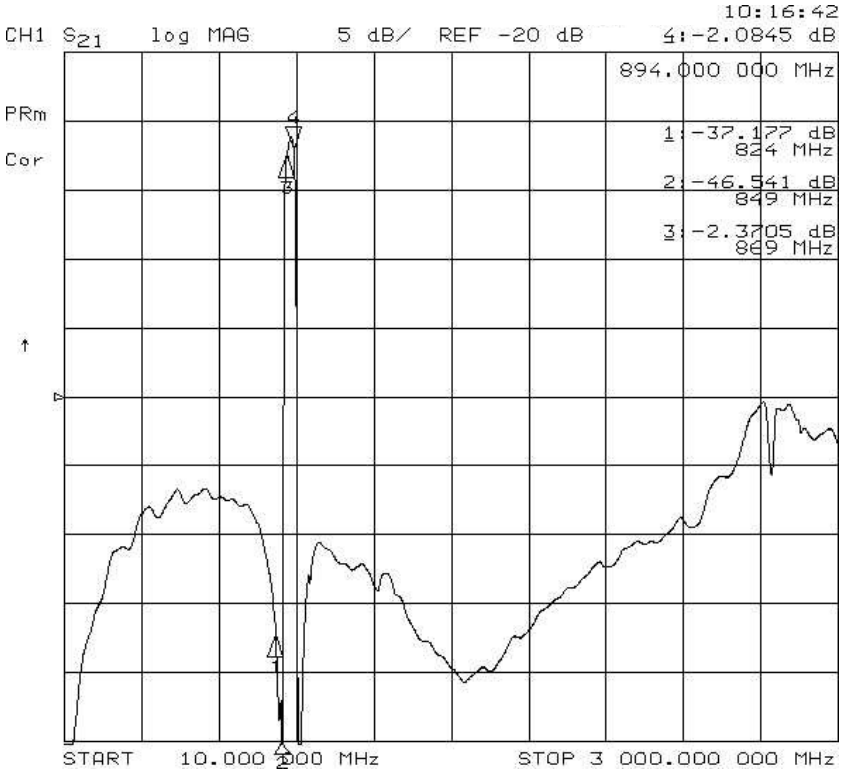
Note1. No matching network required for operation at 50 Ω

MEASUREMENT CIRCUIT:



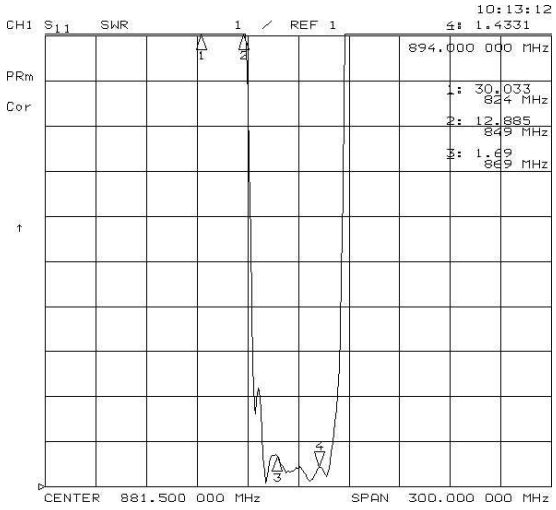
C. Frequency Characteristics :

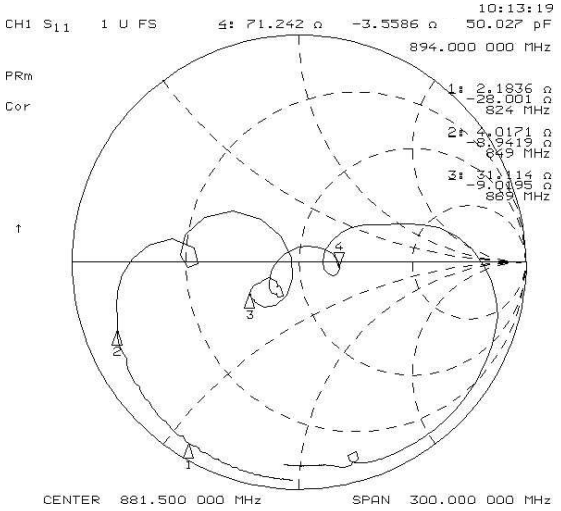




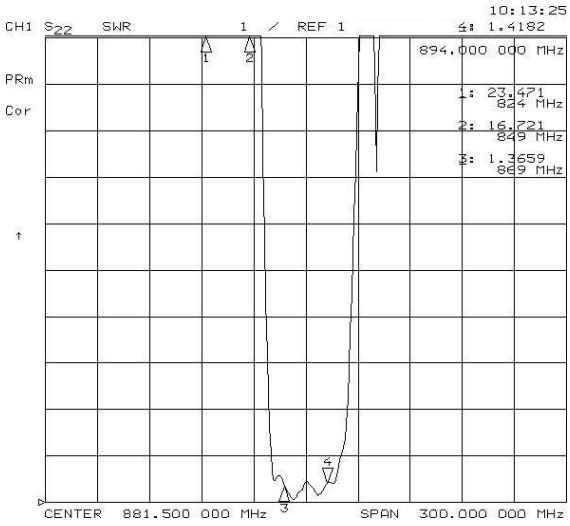
D. Reflections Functions :

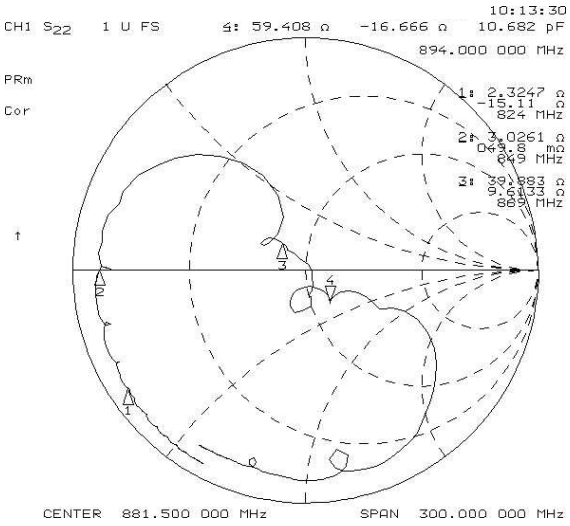
S11 VSWR



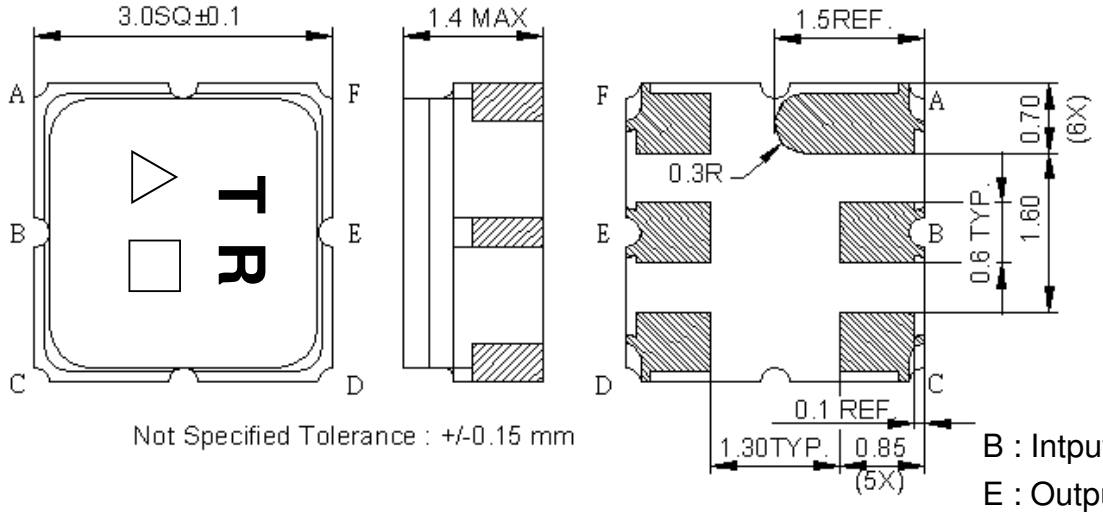


S22 VSWR





E. OUTLINE DRAWING:



Not Specified Tolerance : +/-0.15 mm

B : Intput
E : Output
A,C,D,F : Ground
Unit : mm

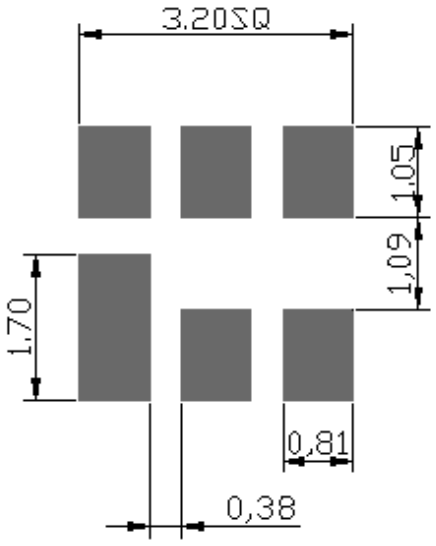
△ : Year Code (2019->9, 2022->2, …, 2029->9)

□ : Date Code (Follow the table from planner each year)

Date Code Table

WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	**WK15**	**WK16**	**WK17**	**WK18**	**WK19**	**WK20**	**WK21**	**WK22**	**WK23**	**WK24**	**WK25**	**WK26**
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	**WK28**	**WK29**	**WK30**	**WK31**	**WK32**	**WK33**	**WK34**	**WK35**	**WK36**	**WK37**	**WK38**	**WK39**
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	**WK41**	**WK42**	**WK43**	**WK44**	**WK45**	**WK46**	**WK47**	**WK48**	**WK49**	**WK50**	**WK51**	**WK52**
n	o	p	q	r	s	t	u	v	w	x	y	z

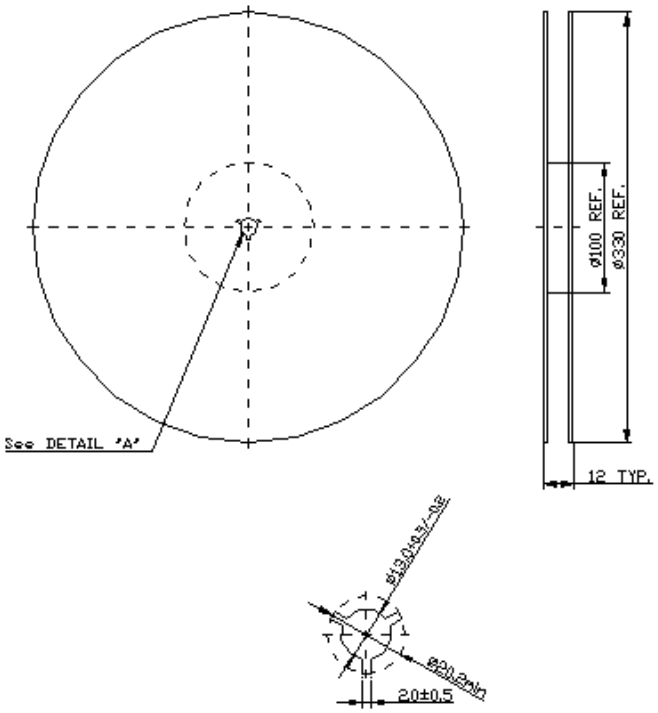
F. LAND PATTERN:



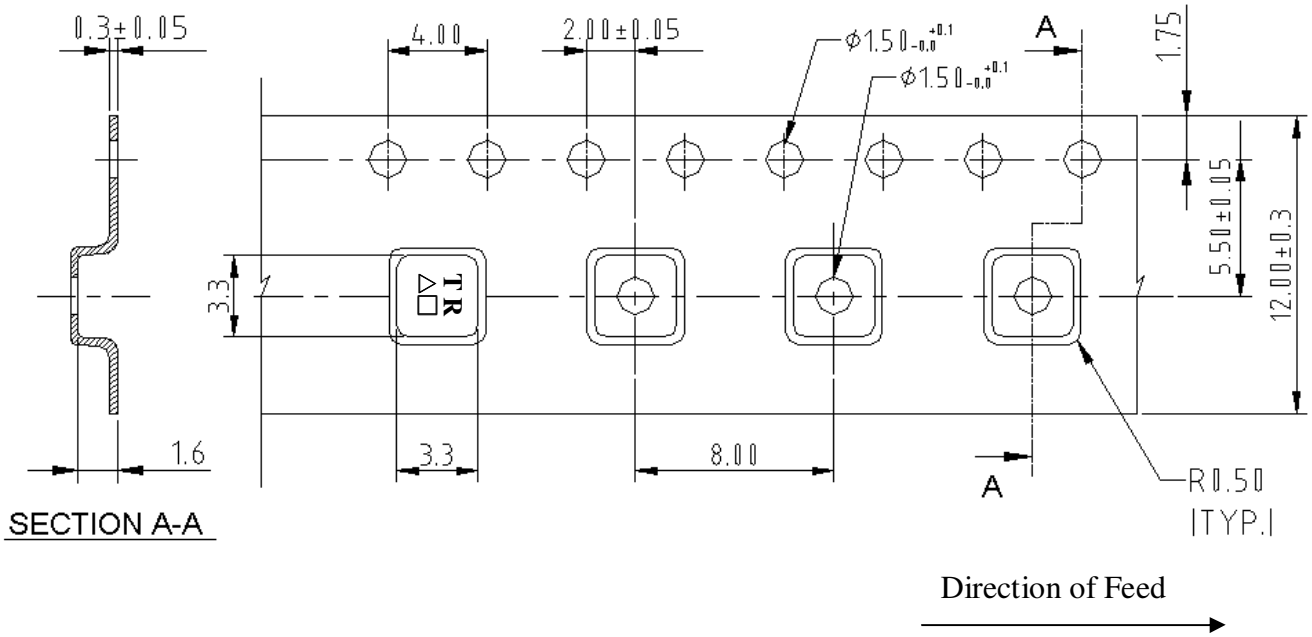
G. PACKING:

1. REEL DIMENSION

(Please refer to FR-75D10 for packing quantity)



TAPE DIMENSION



H. Recommended Reflow Profile:

1. Preheating shall be fixed at 150~180℃ for 60~90 seconds.
2. Ascending time to preheating temperature 150℃ shall be 30 seconds min.
3. Heating shall be fixed at 220℃ for 50~80 seconds and at 260℃+0/-5℃ peak (20~40sec).
4. Time: 2 times.