



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

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Product Specifications Approval Sheet

Product Name: SAW Filter 1000MHz SMD 3.0x3.0 mm (BW=0.8MHz)

TST Parts No.: TA2723AA3210

Customer Parts No.: _____

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Hong Pu Lin *Hong Pu Lin*

Approval by: _____ Andy Yu *Andy Yu*

Date: _____ 2021/05/11

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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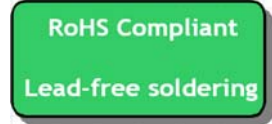
SAW Filter 1000 MHz

MODEL NO.: TA2723AA3210

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 0 dB_m
2. DC voltage: 5V
3. Operating Temperature: -30°C to +70°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level 1(MSL1)

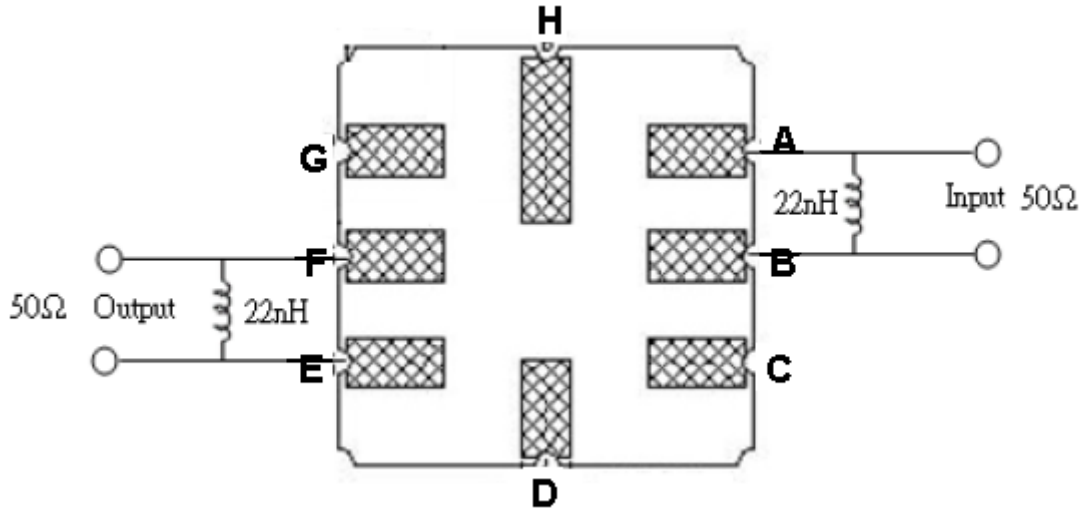


Electrostatic Sensitive Device (ESD)

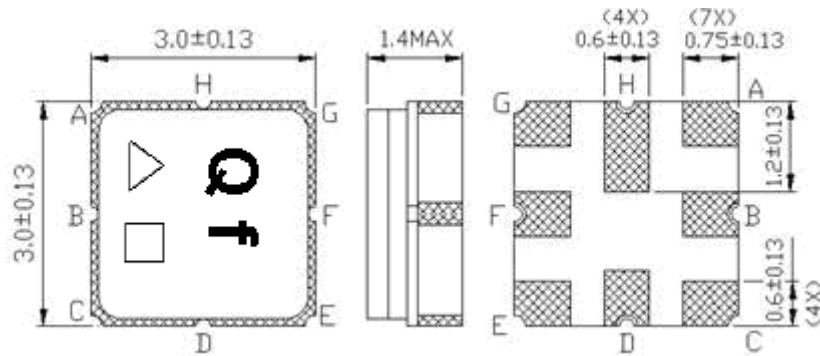
B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min	Typ	Max
Center Frequency F_c	MHz		1000	
Minimum insertion loss IL_{min}	dB		3.2	5.0
Passband (999.600 ~ 1000.400 MHz) relative to IL_{min}	dB		0.6	3.0
3dB BW	MHz	1.5	2.0	
Attenuation (Reference level from IL_{min})				
500.00 ~ 910.00 MHz	dB	35	48	
910.00 ~ 985.00 MHz	dB	10	36	
985.00 ~ 997.00 MHz	dB	18	25	
1003.0 ~ 1010.0 MHz	dB	6	21	
1010.0 ~ 1020.0 MHz	dB	15	23.5	
1020.0 ~ 1100.0 MHz	dB	30	34	
Temperature Coefficient of Frequency	ppm/°C ²	-0.036 typ		

C. MEASUREMENT CIRCUIT:



D. OUTLINE DRAWING:



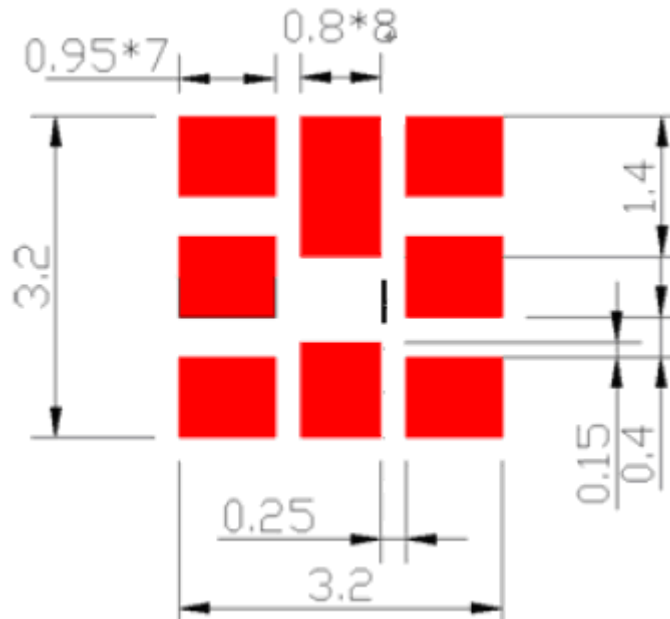
AB : Balance Input
FE : Balance Output
CDGH : Ground
Unit : mm

△ : Year Code (2009->9, 2010->0, ..., 2018->8)

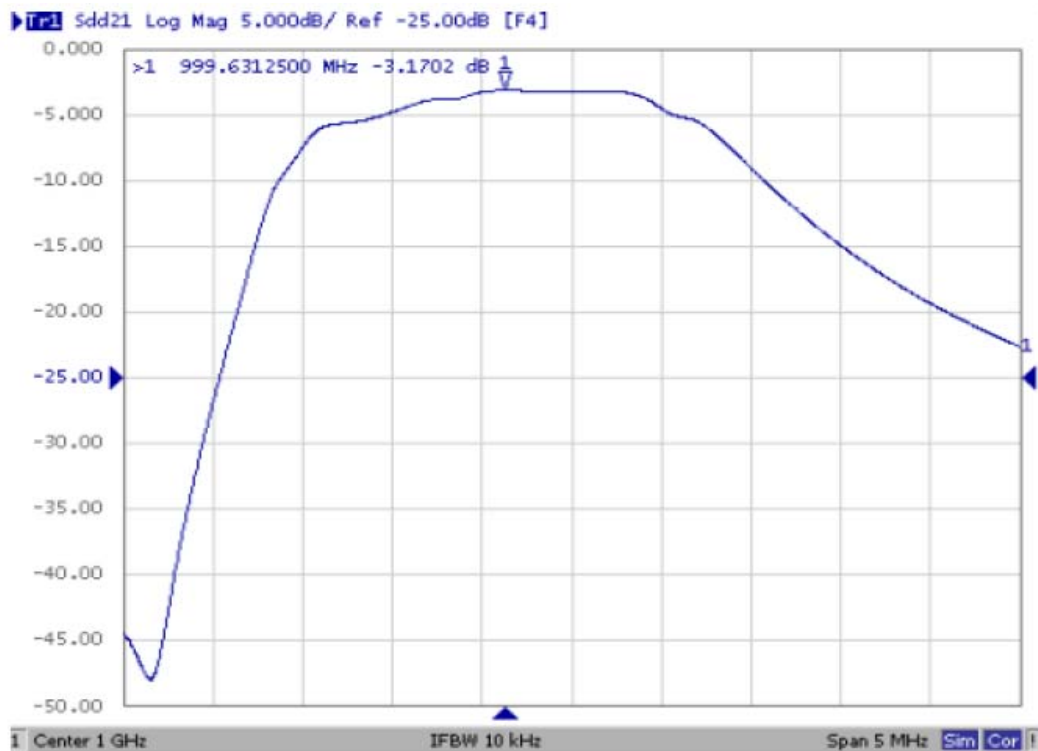
□ : Date Code (Follow the table from planner each year)

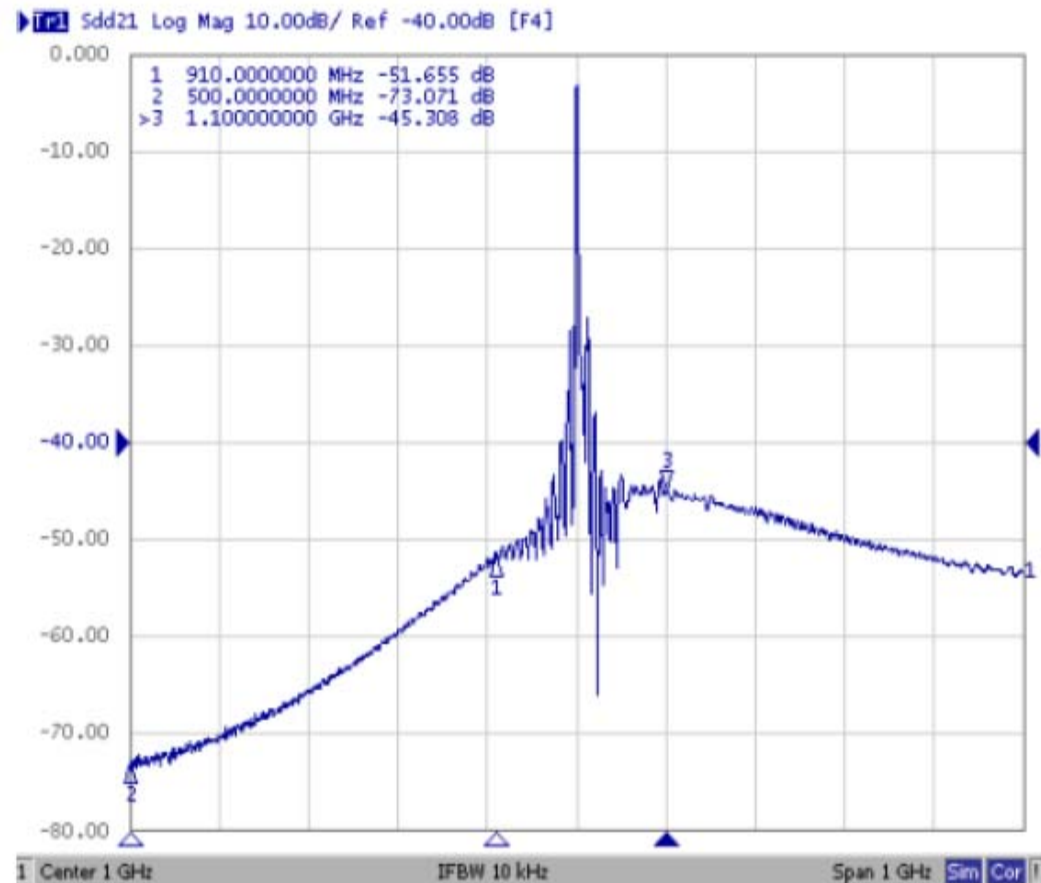
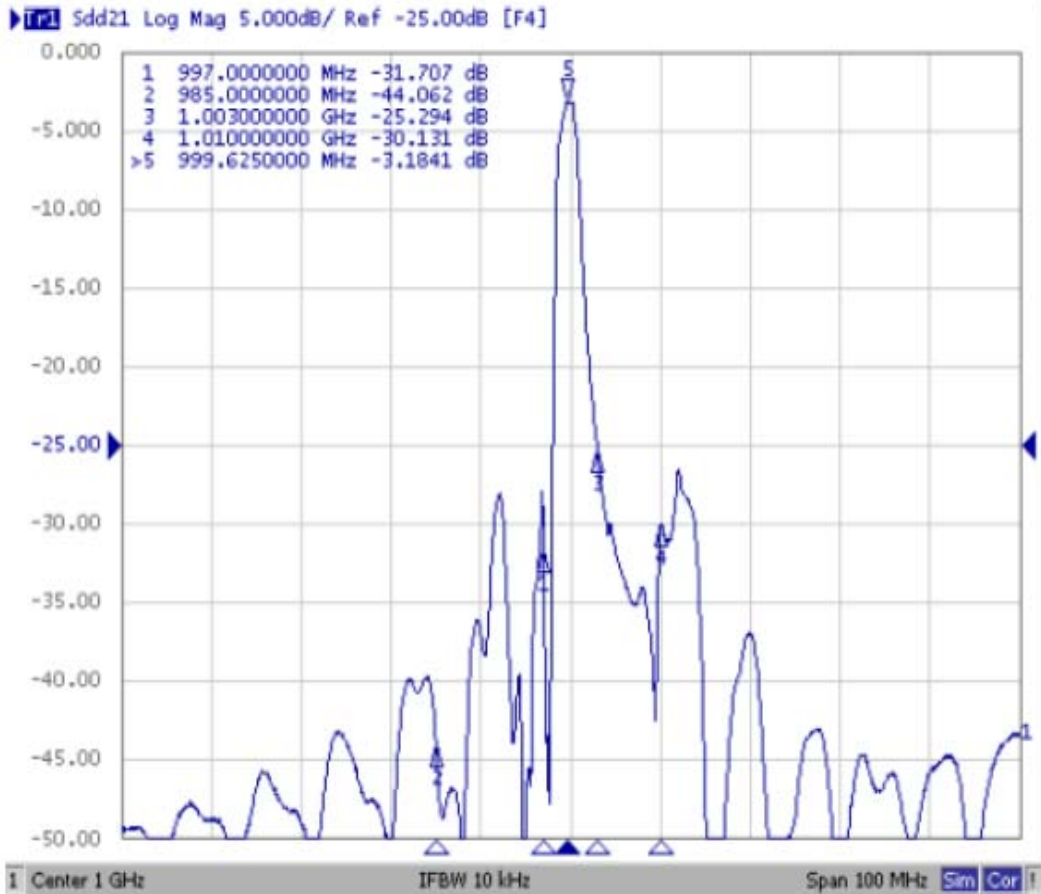
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

E. PCB FOOTPRINT:



F. FREQUENCY CHARACTERISTICS:

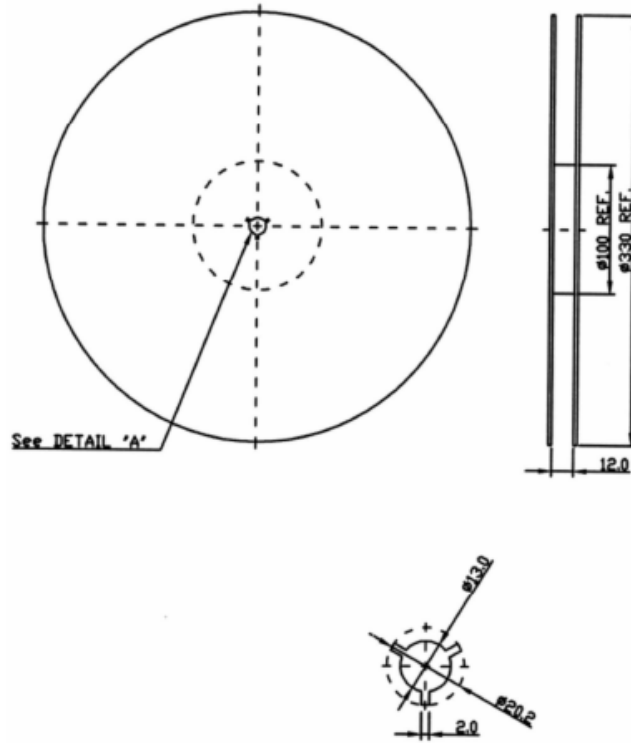




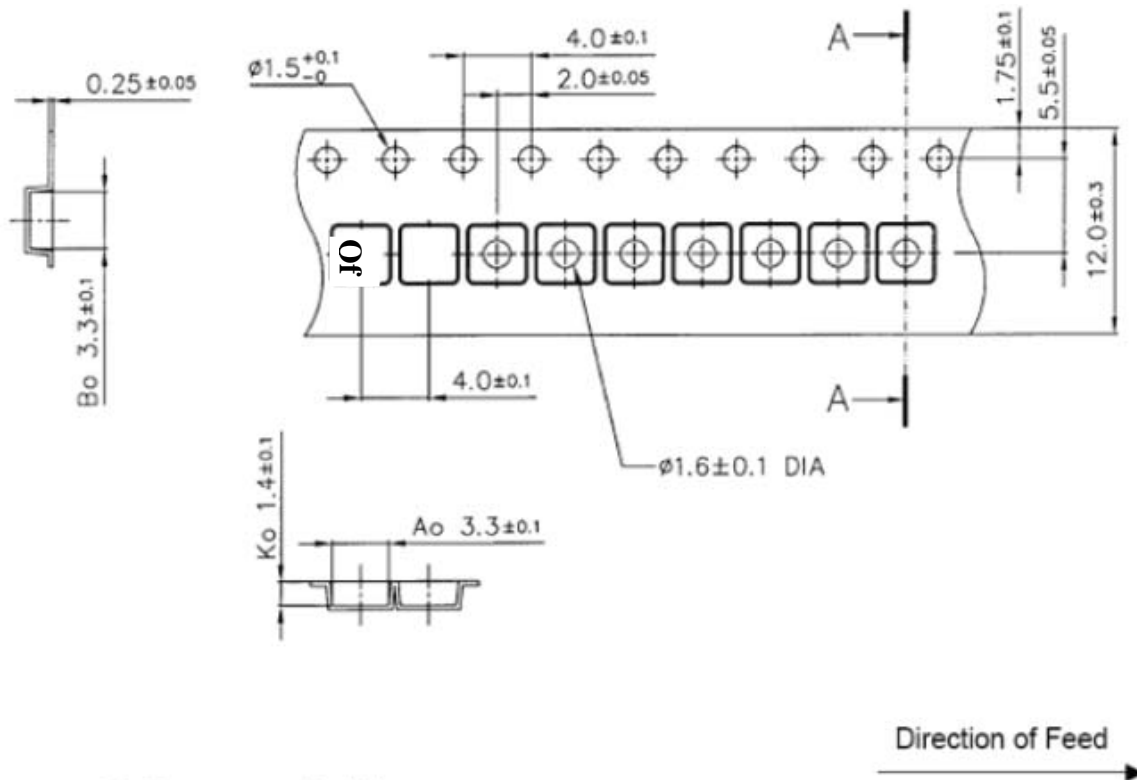
G. PACKING: (Ref. WI-75M03)

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. Recommended Reflow Profile:

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

