



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

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Product Specifications Approval Sheet

Product Name: SAW Filter 912 MHz SMD 3.0X3.0 mm(BW=16MHz)

TST Parts No.: TA0556B

Customer Parts No.: _____

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

Checked by: _____ Anne Chen *Anne Chen*

Approved by: _____ Andy Yu *Andy Yu*

Date: _____ 2018 / 10 / 04

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 change



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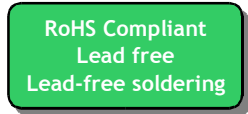
SAW Filter 912MHz

MODEL NO.:TA0556B

REV. NO.:1

A. MAXIMUM RATING:

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



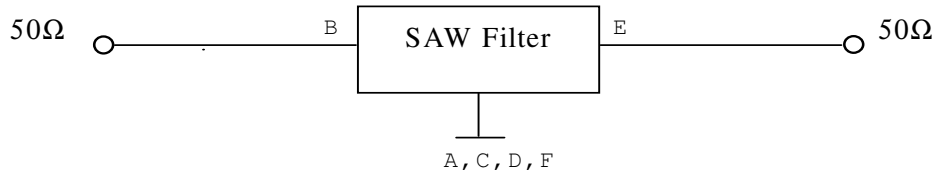
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

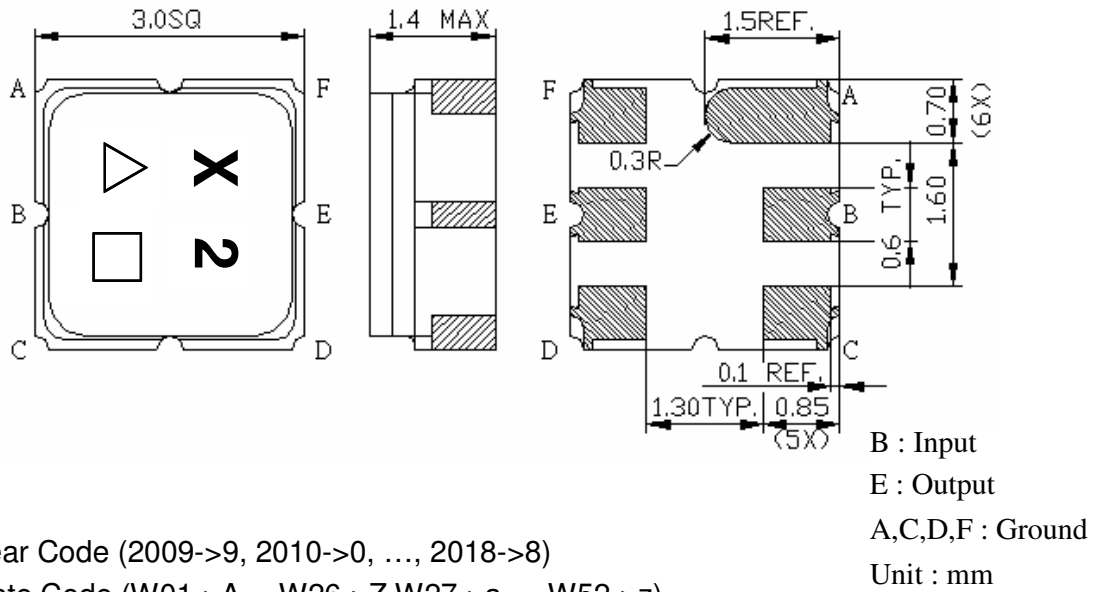
Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	912	-	-
Insertion Loss (904 ~ 920 MHz) IL	dB	-	1.6	3.3	-
Amplitude Ripple (904 ~ 920 MHz)	dB	-	0.6	2	-
VSWR (904 ~ 920 MHz)		-	1.65	2.4	-
Relative Attenuation (relative to 0 dB)					
D.C. ~ 850 MHz	dB	22	35	-	-
930 ~ 940 MHz	dB	7	32	-	-
940 ~ 1500 MHz	dB	23	37.6	-	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer



D.OUTLINE DRAWING:



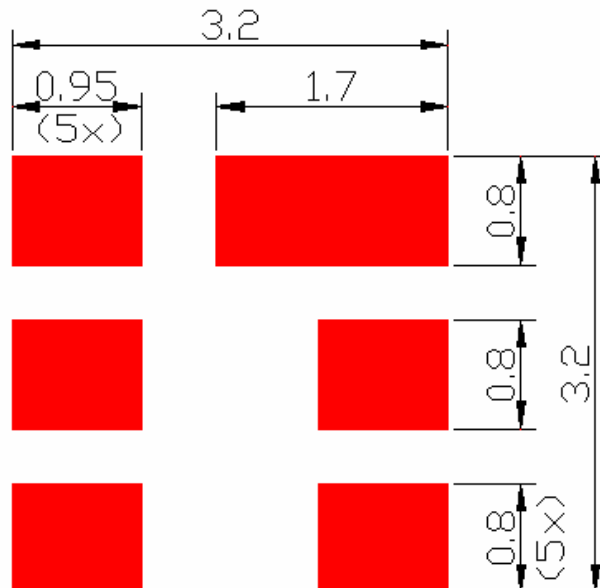
△ : Year Code (2009->9, 2010->0, ..., 2018->8)

□ : Date Code (W01->A,...W26->Z,W27->a,...,W52->z)

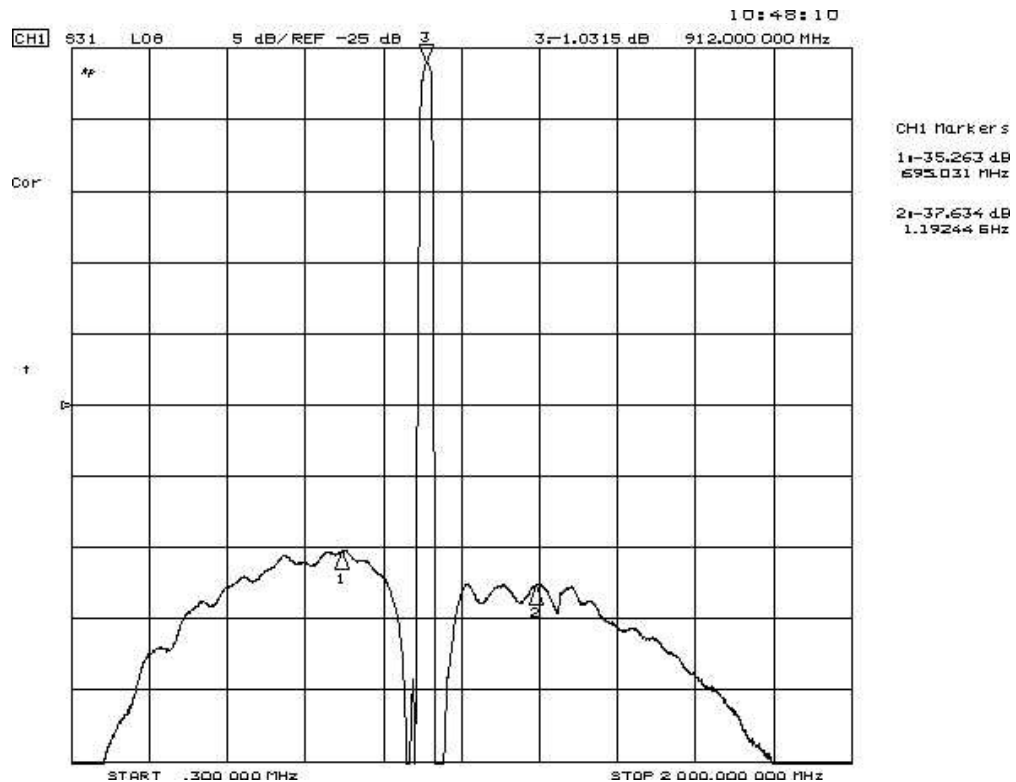
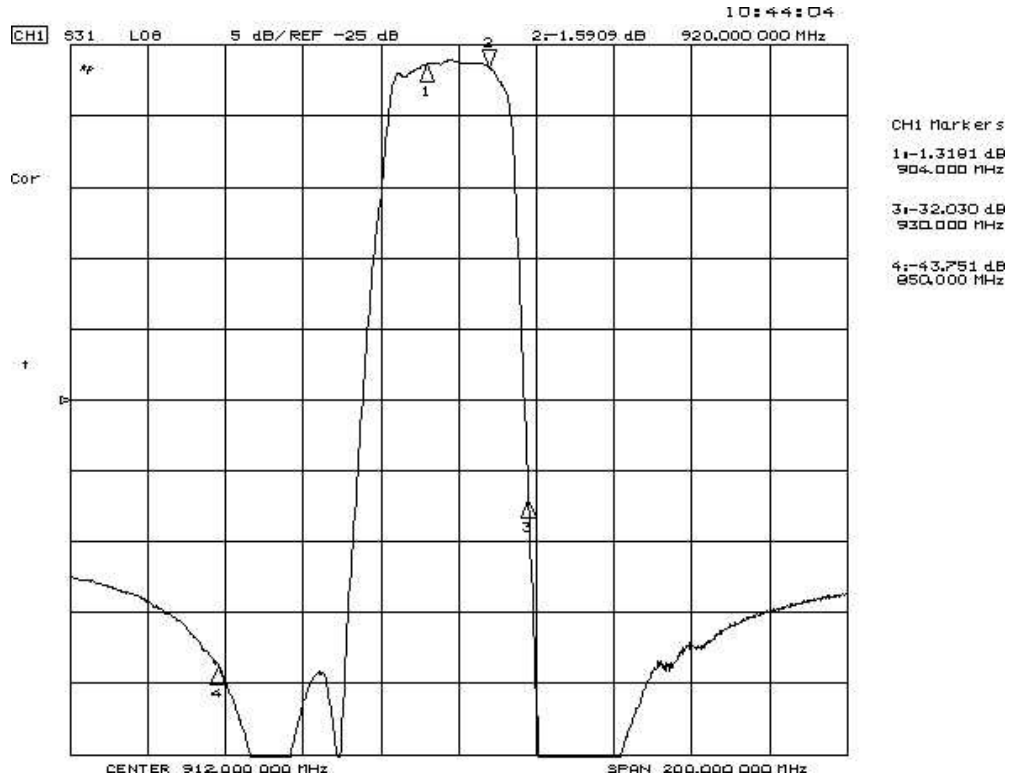
Date Code Table

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

E. PCB Footprint:

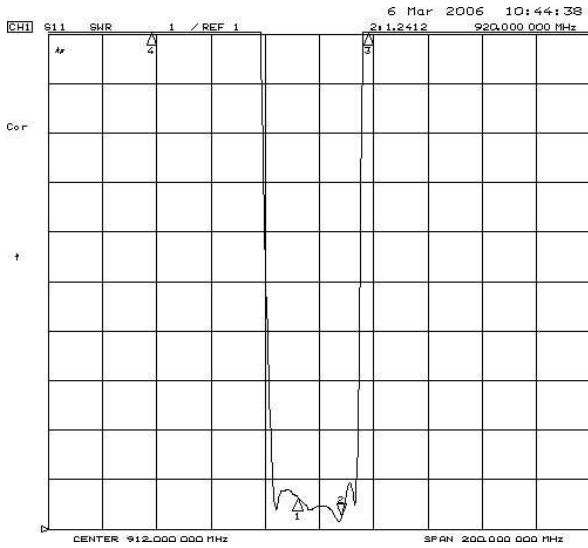


F. Frequency Characteristics :



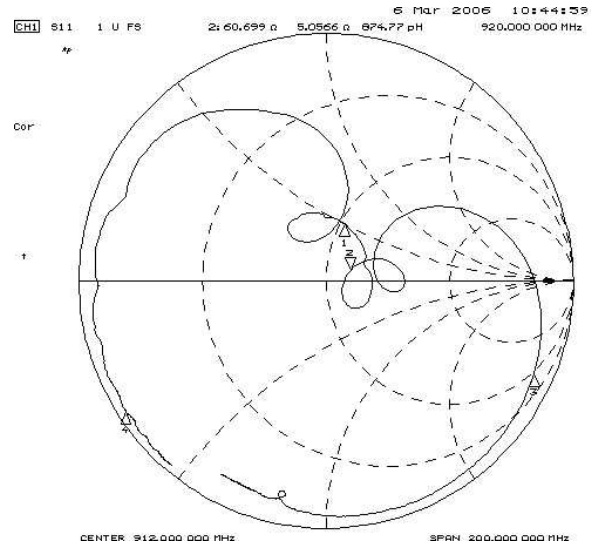
Reflections Functions :

S11 VSWR



CHI Markers

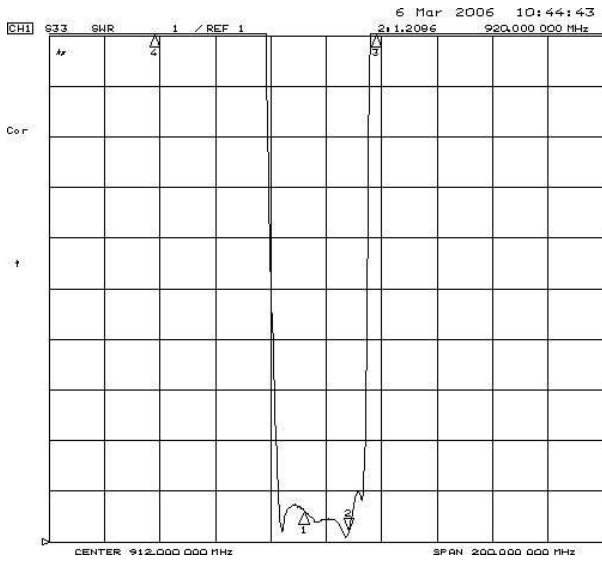
1	1.6412	904.000 MHz
3	24.296	930.000 MHz
4	57.947	950.000 MHz



CHI Markers

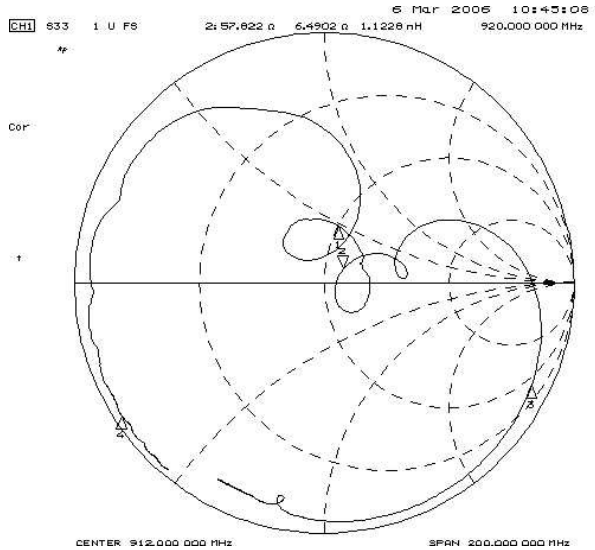
1	51.795 a	25.408 a	904.000 MHz
3	45.969 a	-227.66 a	930.000 MHz
4	926.04 mo	-14.791 a	950.000 MHz

S22 VSWR



CHI Markers

1	1.6177	904.000 MHz
3	25.954	930.000 MHz
4	64.543	950.000 MHz



CHI Markers

1	50.194 a	24.322 a	904.000 MHz
3	36.180 a	-208.41 a	930.000 MHz
4	839.84 mo	-14.888 a	950.000 MHz

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 245~260°C peak (min. 10sec).
4. Time : 2 times.

