



TAI-SAW TECHNOLOGY CO., LTD.

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Product Specifications Approval Sheet

Product Description: SAW Filter 447.5 MHz 15MHz B.W SMD 3.8×3.8 mm

TST Part No.: TA1960A

Customer Part No.: _____

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

Checked by: _____ Michael Yang *Michael*

Approved by: _____ Andy Yu *Andy Yu*

Date: _____ 2019/08/15

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.

SAW Filter 447.5 MHz

MODEL NO.:TA1960A

REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3 V
3. Operating Temperature: 0 °C to +60 °C
4. Storage Temperature: -40 °C to +85 °C
5. Moisture Sensitive Level (MSL): Level 1

RoHS Compliant
Lead free
Lead-free soldering

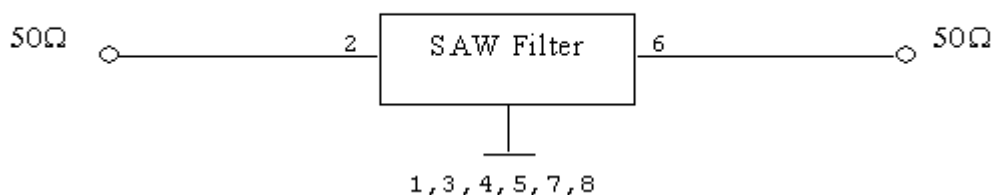
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

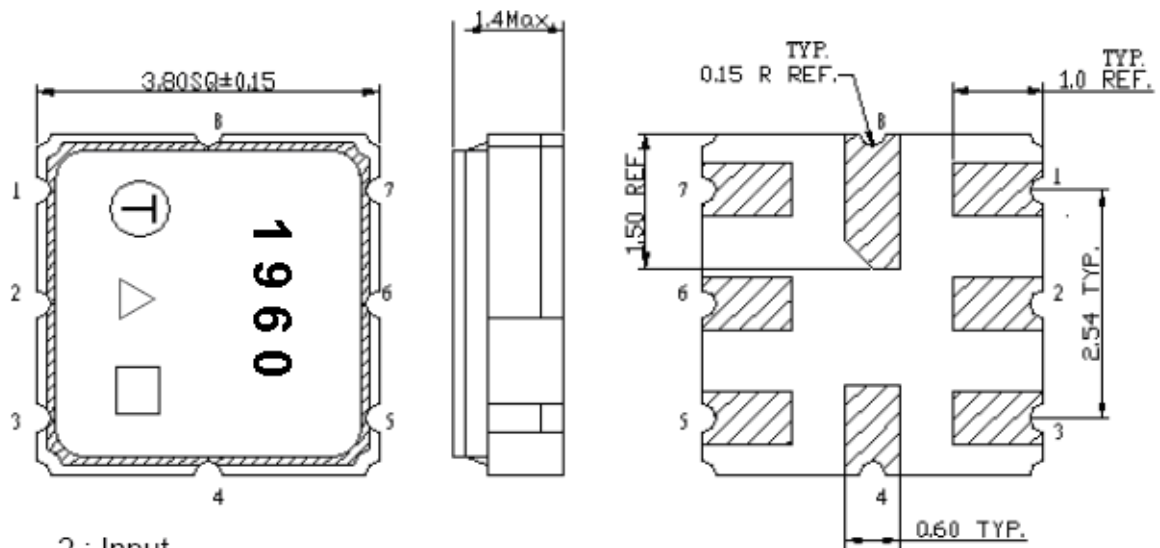
Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	447.5	-
Insertion Loss (440~455 MHz) IL	dB	-	3.0	3.5
Amplitude ripple (440~455 MHz)	dB	-	20.	2.5
Attenuation (Reference level from 0)				
10 ~ 420 MHz	dB	30	35	-
460 ~ 465 MHz	dB	30	35	
465 ~ 480 MHz	dB	35	40	
480 ~ 1000 MHz	dB	35	40	
Temperature Coefficient of Frequency	Ppm/°C	-	-36	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer



D.OUTLINE DRAWING:



- 2 : Input
 6: Output
 1,3,4,5,7,8: Ground
 △ : Year Code
 □ : Date Code (W01->A, W02->B,...,W52->z)

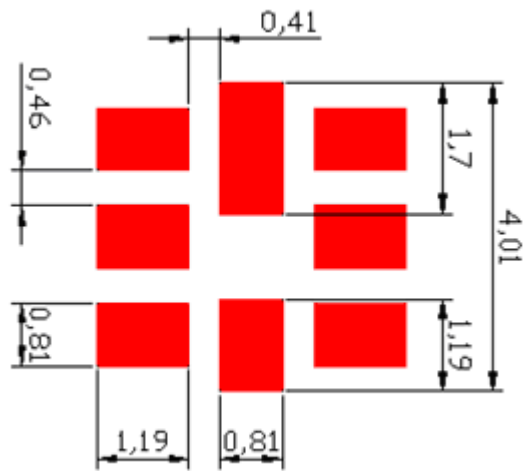
Date Code Table

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

△ Year code : See the table

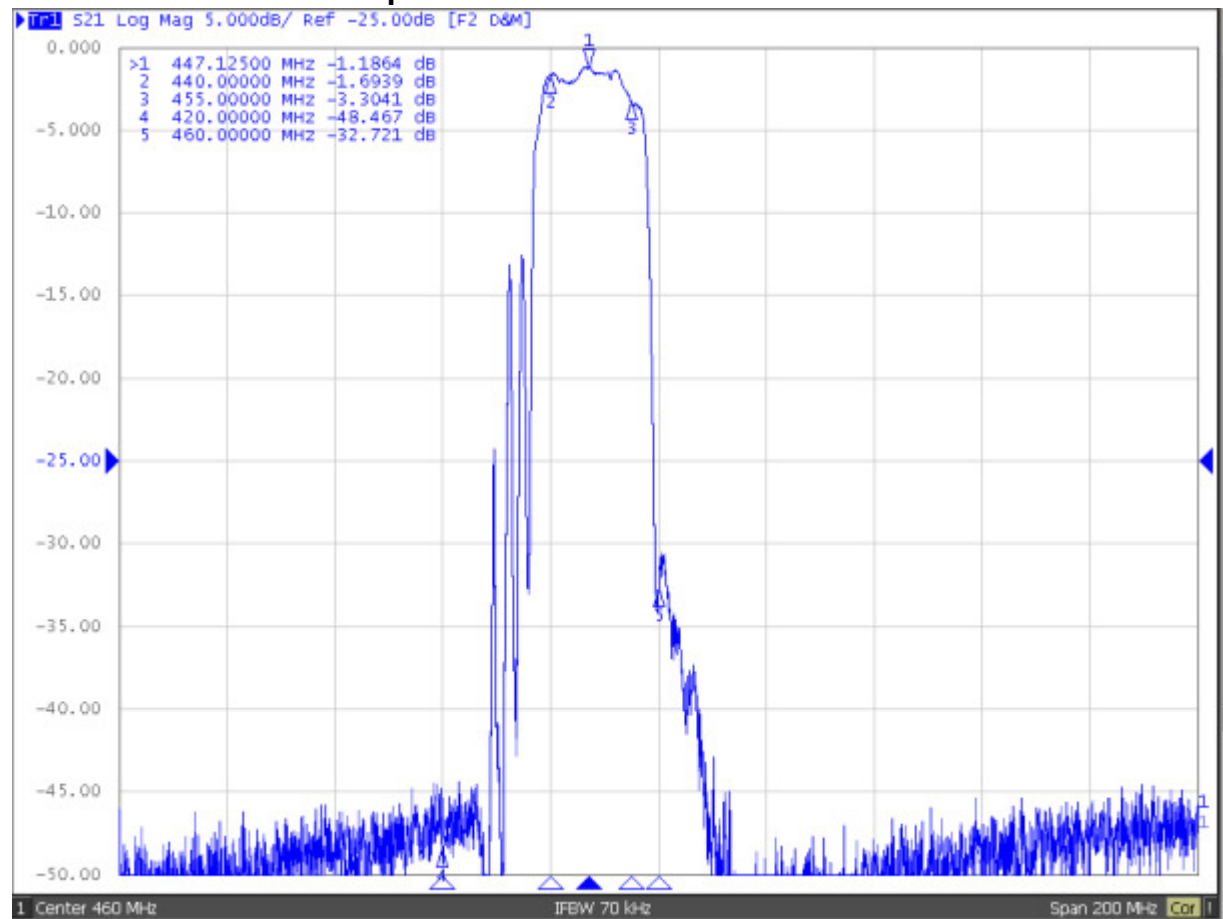
Year	2011	2012
	:	:
	:	:
	2019	2020
Year Code	A	a

E. PCB Footprint:

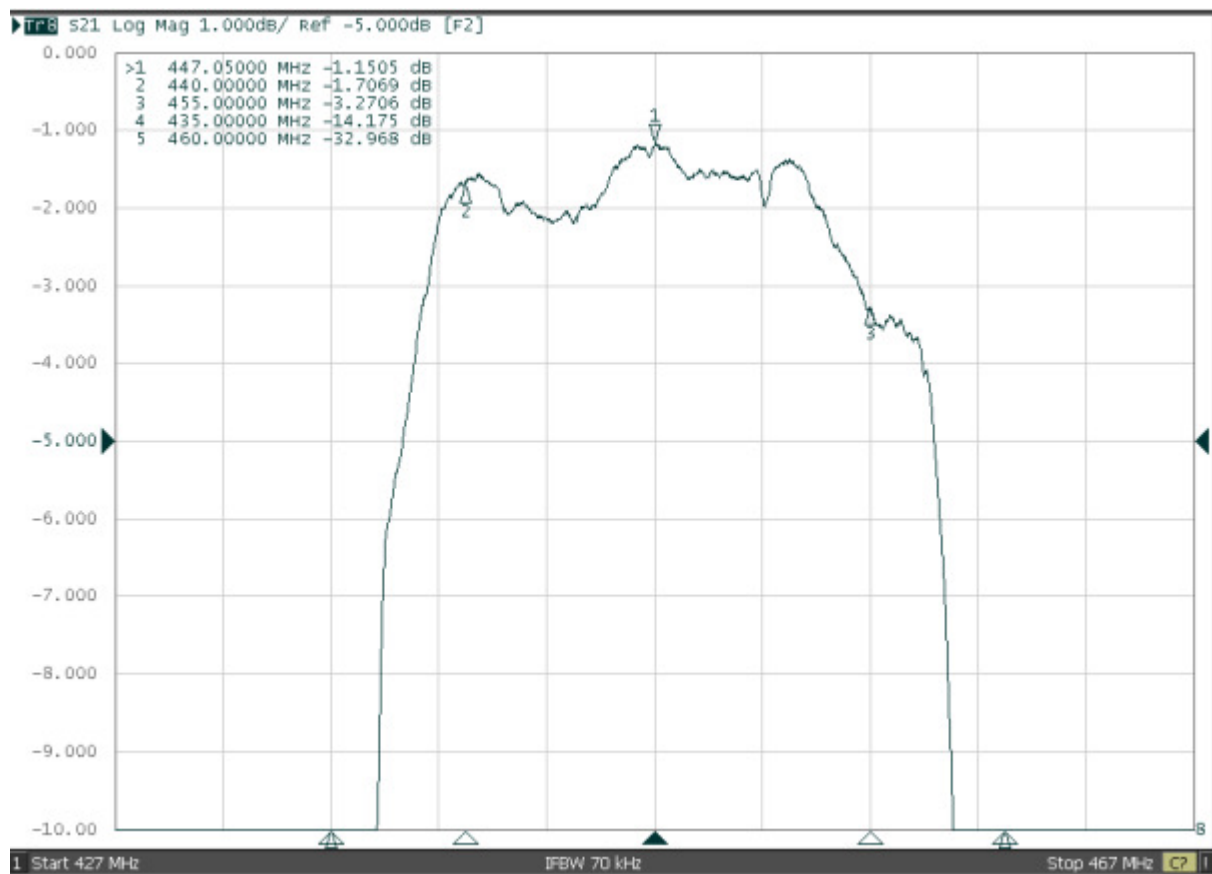


F. Frequency Characteristics:

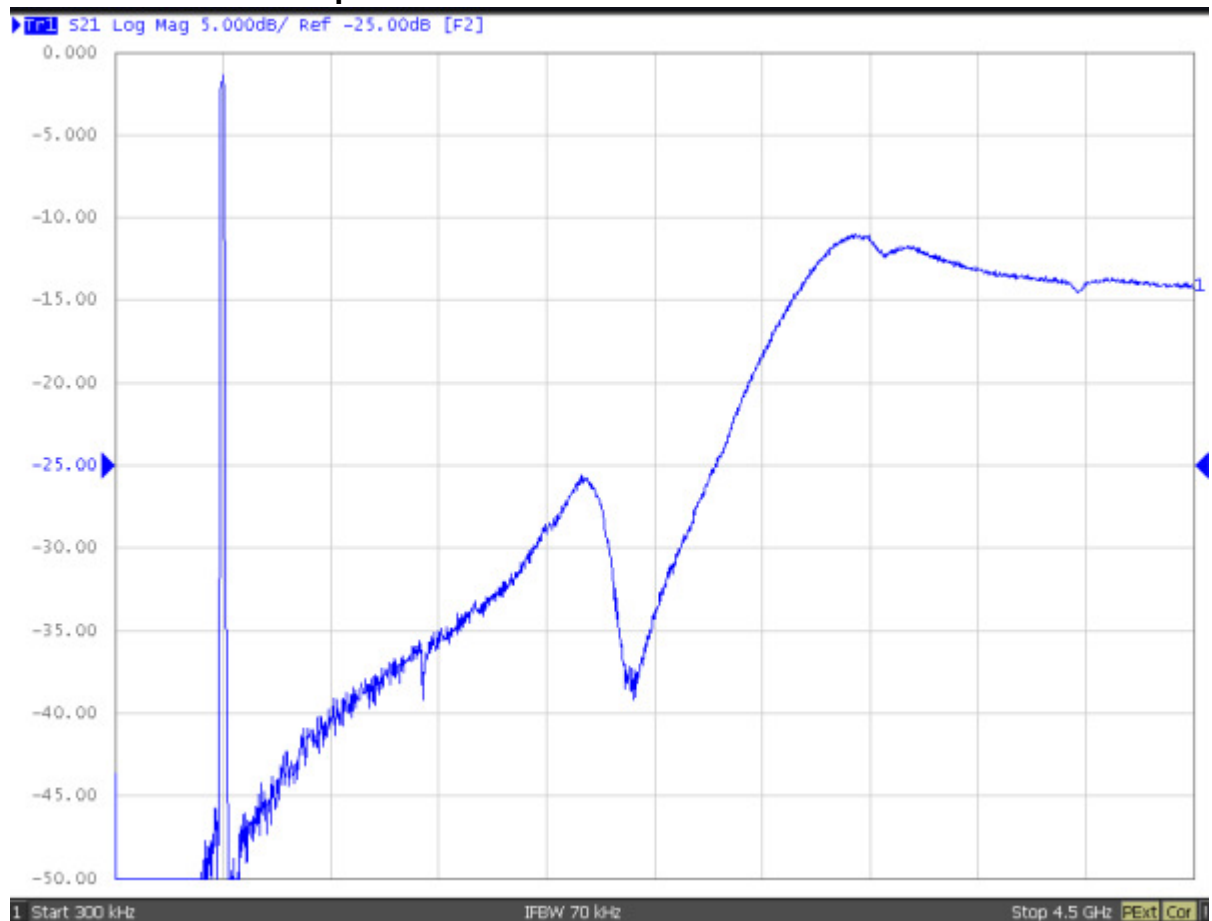
1、S21 Measurement : Span 200MHz



S21 Measurement : Span 40MHz



S21 Measurement : Span 4.5GHz



G. PACKING:

1. REEL DIMENSION

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

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TST DCC
Release document

4. Time: 2 times.

