



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Product Specifications Approval Sheet

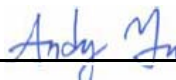
Product Name: SAW Filter 465 MHz BW6MHz SMD 3.0X3.0 mm

TST Parts No.: TB0582A

Customer Parts No.: _____

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

Checked by: _____ V.J Fanchian 

Approval by: _____ Andy Yu 

Date: _____ 2018/01/05

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 465 MHz BW6MHz SMD 3.0X3.0 mm

MODEL NO.:TB0582A

REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -30°C to +80°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level 1(MSL1)

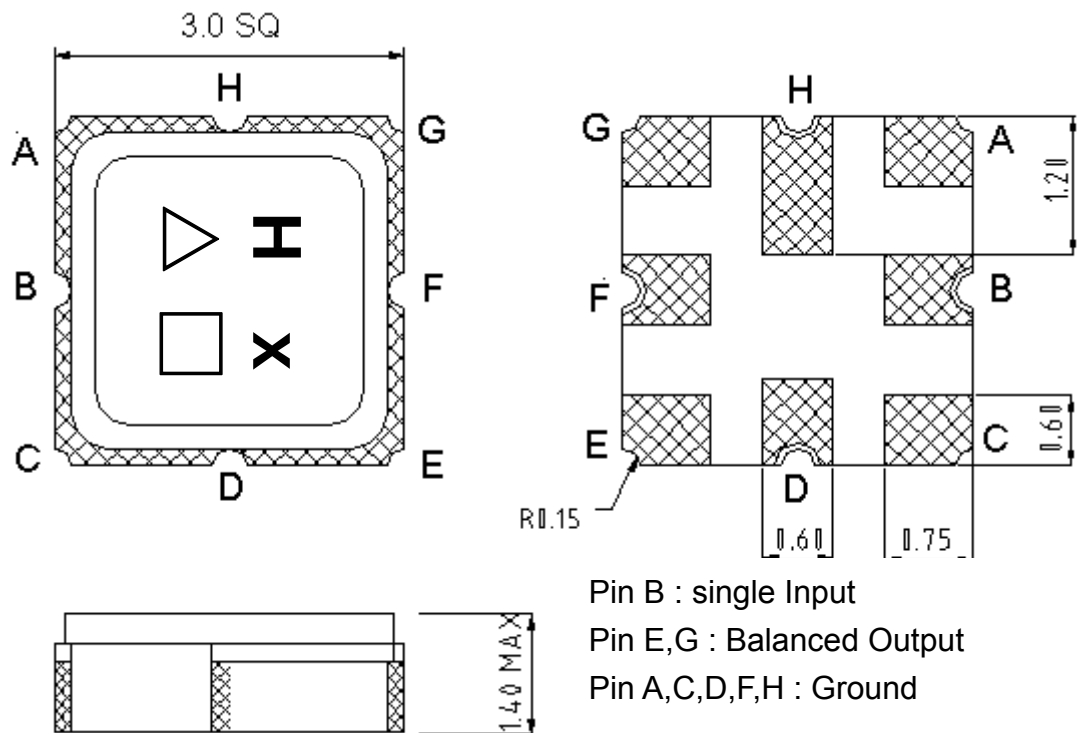
RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center frequency, F_c	MHz	-	465	-	
Insertion Loss, IL within $F_c \pm 2.5$ MHz	dB	-	2.2	4.2	
VSWR within $F_c \pm 2.5$ MHz	-	-	2.0	2.5	
Attenuation:(Reference level from 0 dB)					
452.5 ~ 457.5 MHz	dB	35	50	-	
480.0 ~ 485.0 MHz	dB	30	35	-	
485.0 ~ 507.5 MHz	dB	30	40	-	
507.5 ~ 1000.0 MHz	dB	40	55	-	
1000.0 ~ 1200.0 MHz	dB	45	55	-	
1200.0 ~ 1700.0 MHz	dB	40	50	-	
1700.0 ~ 2000.0 MHz	dB	35	50	-	

C.OUTLINE DRAWING:

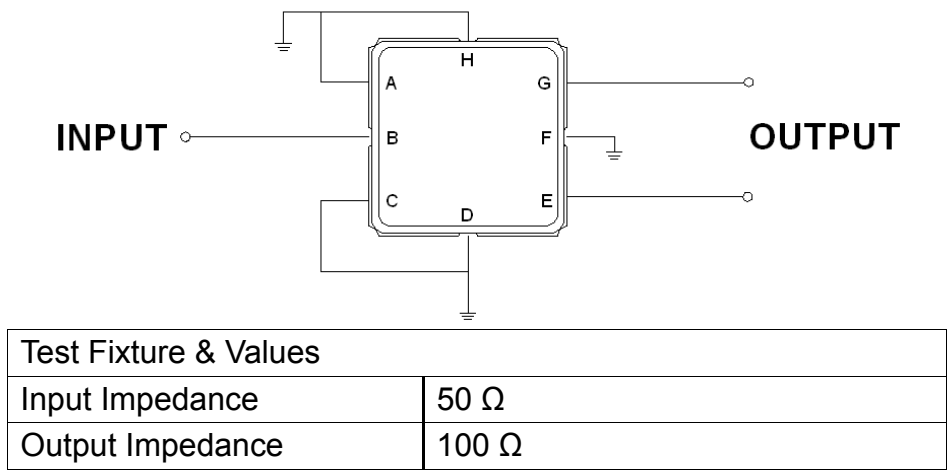


△ : Year Code (2016->6, 2017->7..., 2020->0, 2021->1)
□ : Date Code (W01->A , W02->B.....W27->a...W52->z)

Date Code Table

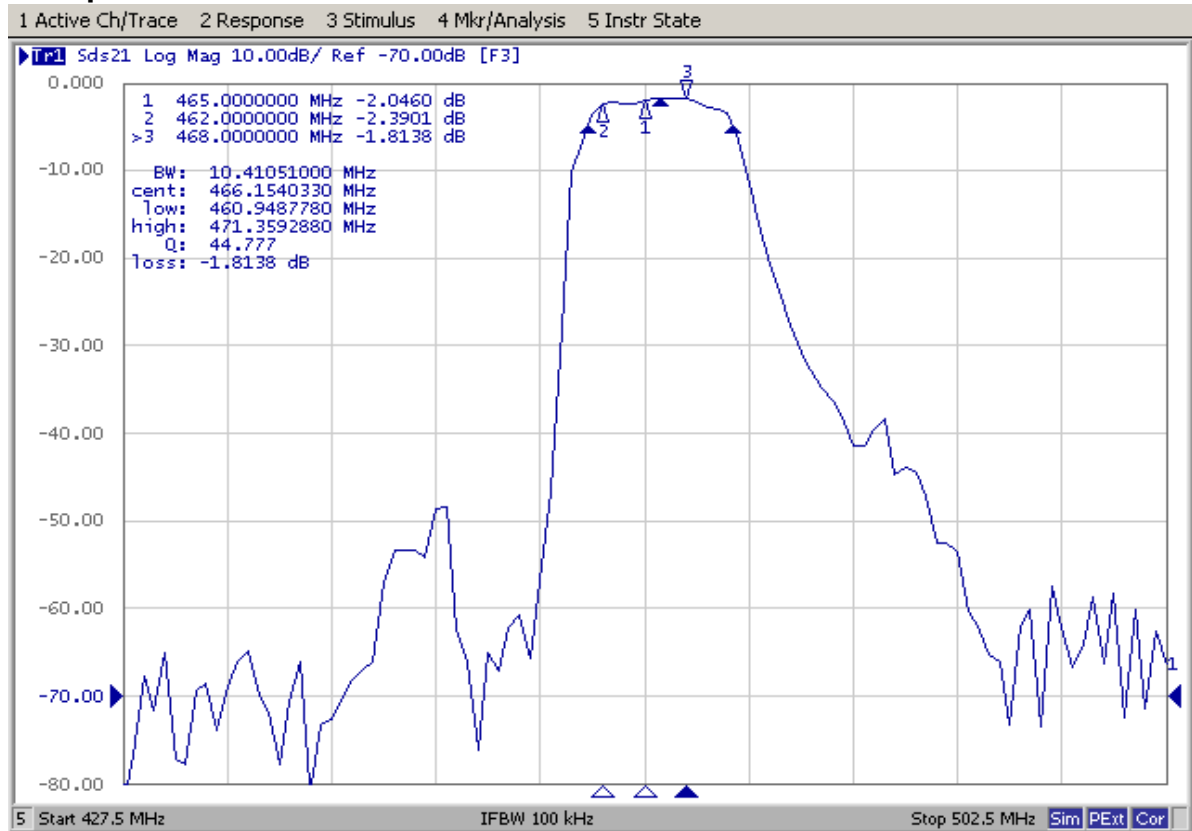
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

D. MEASUREMENT CIRCUIT:

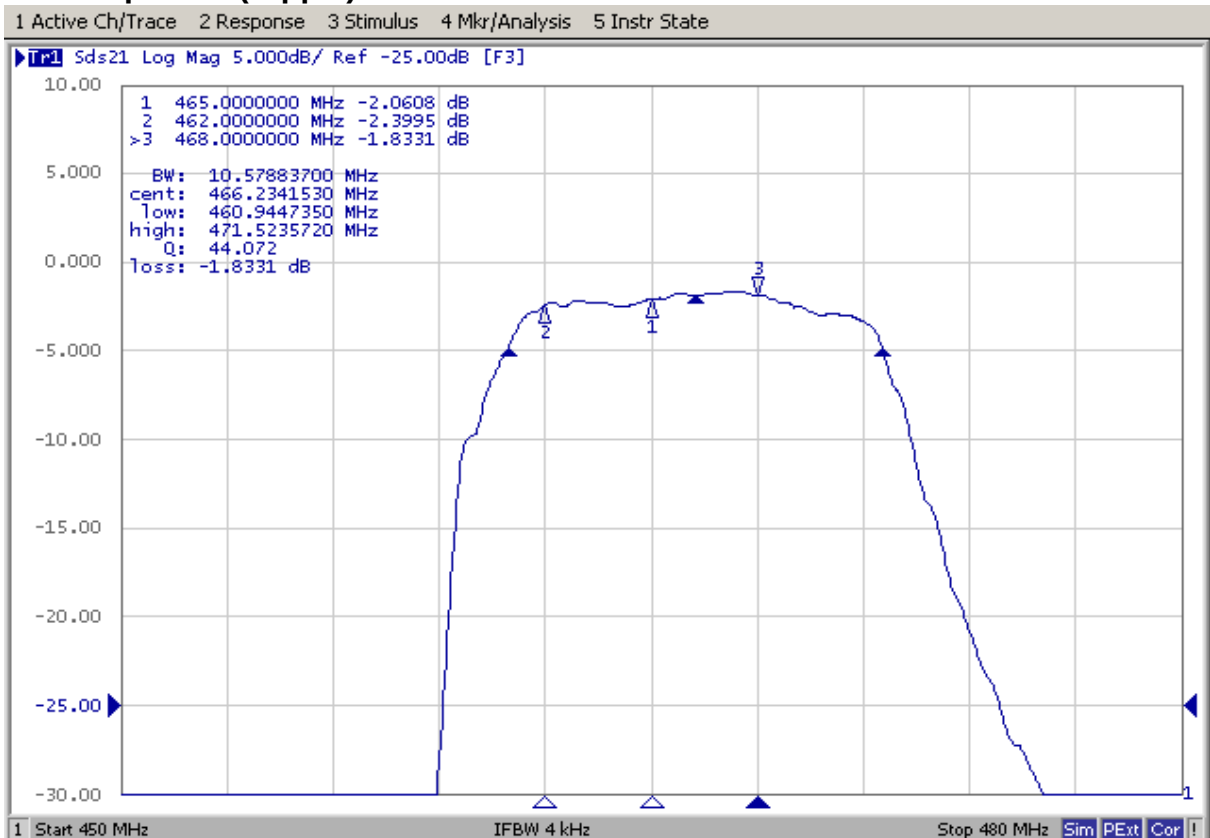


E. FREQUENCY CHARACTERISTICS:

S21 response:



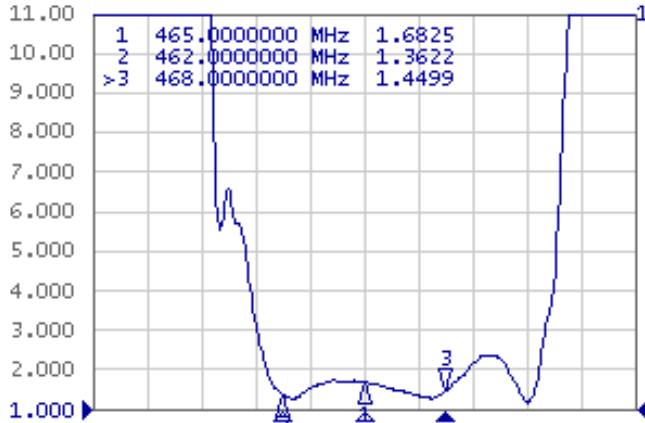
S21 response: (Ripple):



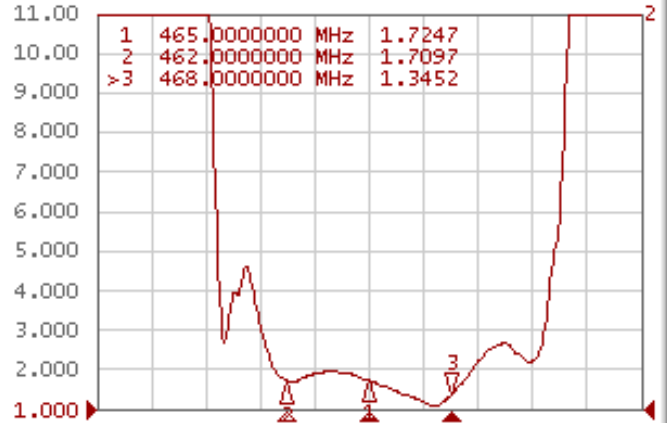
S11&S22 VSWR& Smith-Chart :

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Tr1 Sss11 SWR 1.000/ Ref 1.000 [F3]

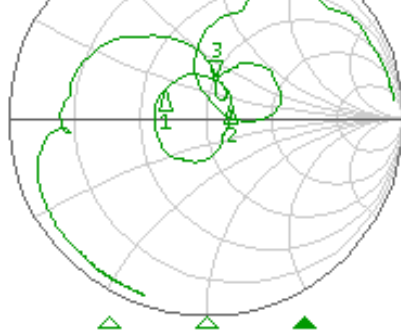


Tr2 Sdd22 SWR 1.000/ Ref 1.000 [F3]



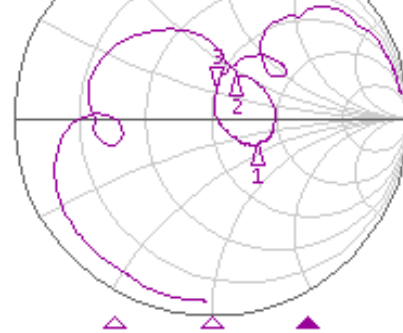
Tr3 Sss11 Smith (R+jX) Scale 1.000U [F3]

1	465.0000000 MHz	31.569 Ω	9.8662 Ω	3.3769
2	462.0000000 MHz	63.988 Ω	10.605 Ω	3.6535
>3	468.0000000 MHz	51.966 Ω	18.943 Ω	6.4422



Tr4 Sdd22 Smith (R+jX) Scale 1.000U [F3]

1	465.0000000 MHz	76.337 Ω	21.647 Ω	15.811
2	462.0000000 MHz	56.899 Ω	28.116 Ω	9.6857
>3	468.0000000 MHz	50.322 Ω	14.927 Ω	5.0764



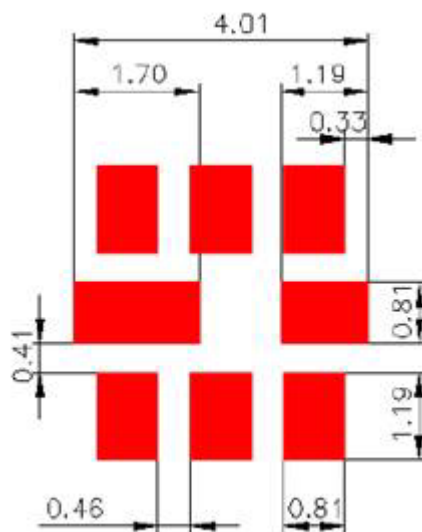
4 Start 455 MHz

IFBW 4 kHz

Stop 475 MHz

Sim PExt Cor

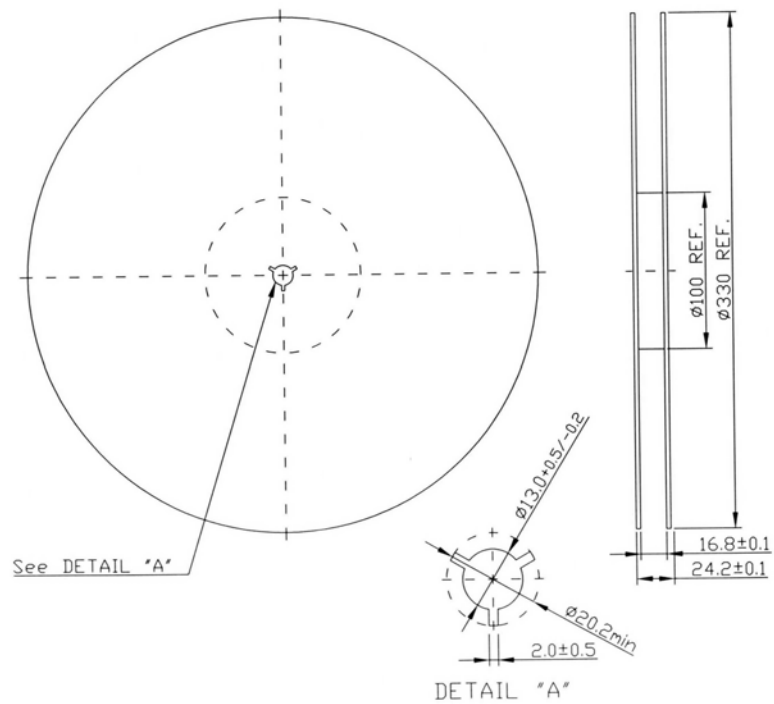
F. PCB FootPrint



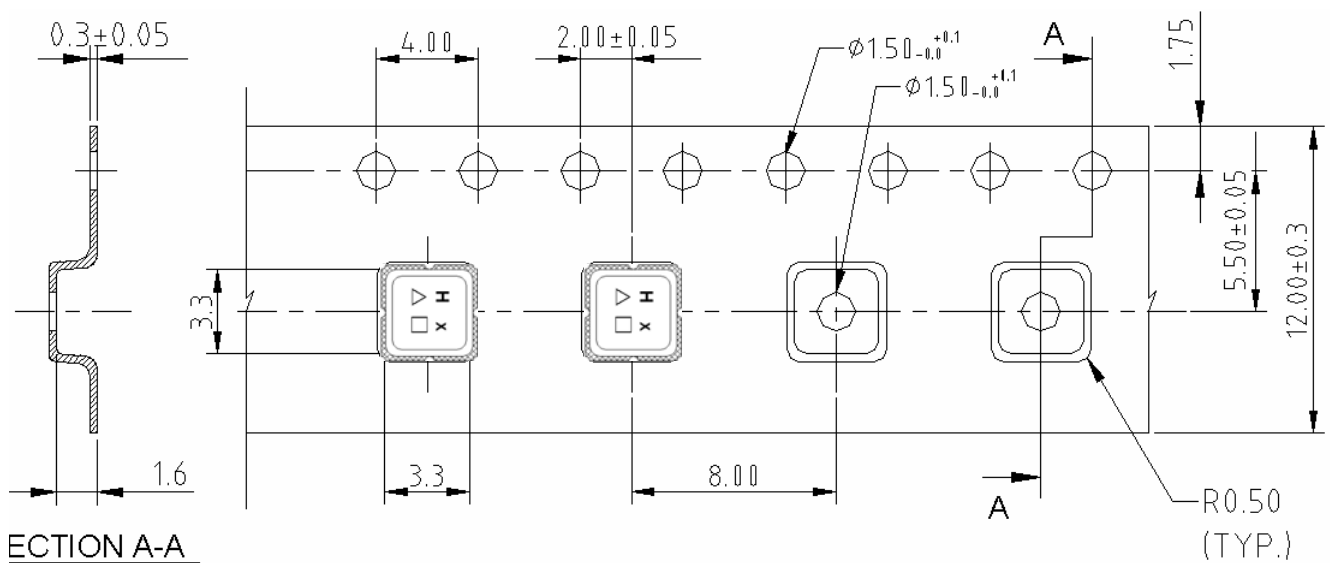
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

