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 Specification Approval Sheet

Product Name: SAW Filter 1227 MHz 20 MHz BW SMD 3.0X3.0 mm

TST Parts No.: TA1227BBB

Customer Parts No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Anne Chen_____



Approval by:_____Bob Chau_____



Date:_____2016 /07/12_____

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 1227MHz

MODEL NO.:TA1227BBB REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 20 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40℃ to +85℃
4. Storage Temperature: -40℃ to +85℃

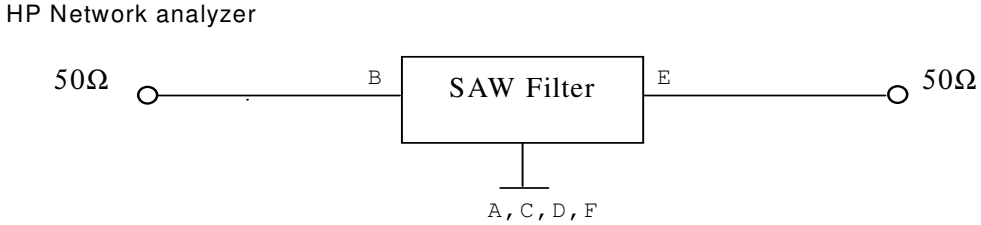
RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

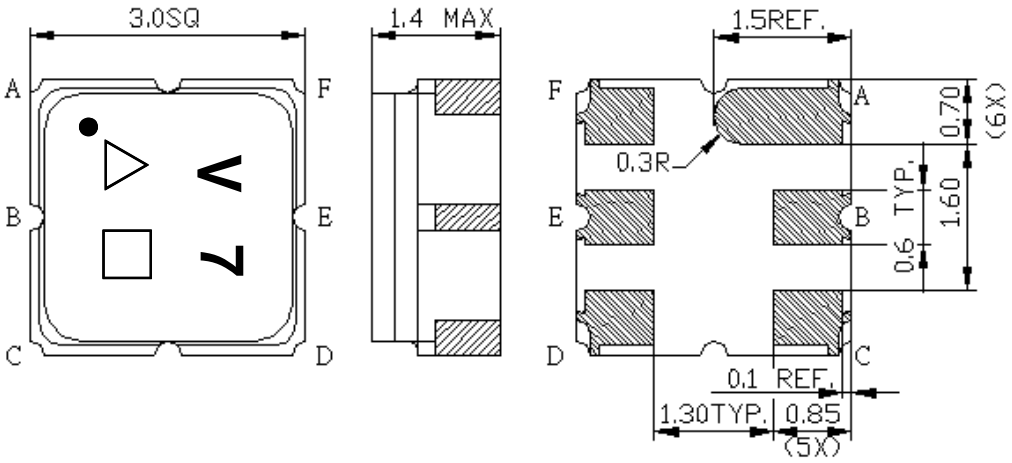
B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center Frequency **Fc**	MHz	-	1227	-	-
Insertion Loss (1217 ~ 1237 MHz) **IL**	dB	-	1.3	2.2	-
Amplitude Ripple (1217 ~ 1237 MHz)	dB	-	0.4	2	-
VSWR (1217 ~ 1237 MHz)		-	1.3	2	-
Relative Attenuation (relative to 0 dB)					
D.C. ~ 450 MHz	dB	28	32	-	-
450 ~ 1150 MHz	dB	24	27	-	-
1150 ~ 1177 MHz	dB	20	37	-	-
1277 ~ 1300 MHz	dB	20	35	-	-
1300 ~ 2000 MHz	dB	27	31	-	-

C. MEASUREMENT CIRCUIT:



D.OUTLINE DRAWING:



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

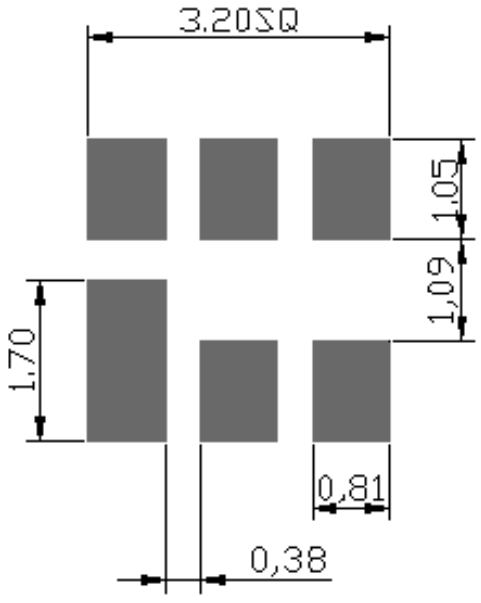
△ : **Year Code (2011->1, 2012->2, …, 2019->9, 2020->0)**

□ : **Date Code**

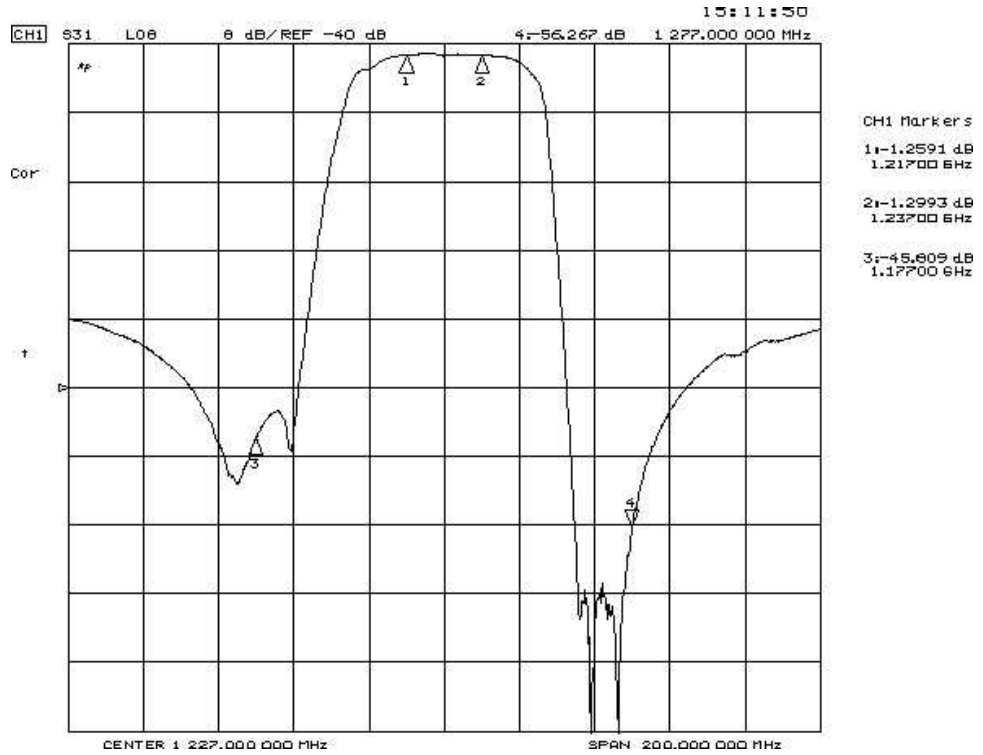
Date Code Table:

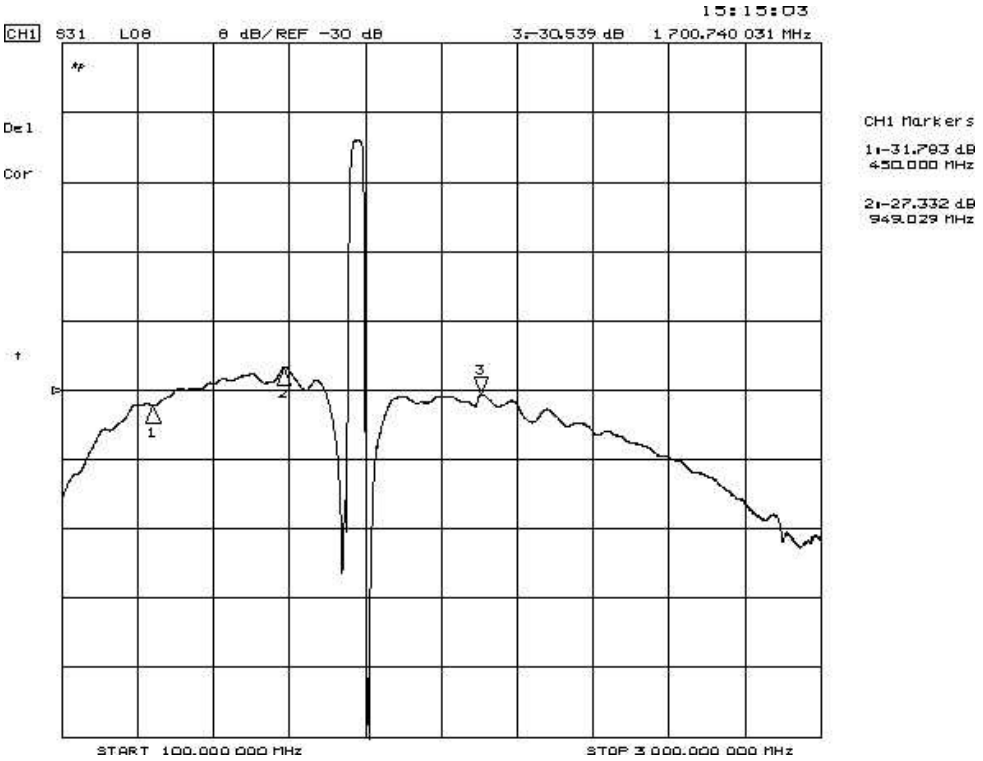
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

E. PCB Footprint:



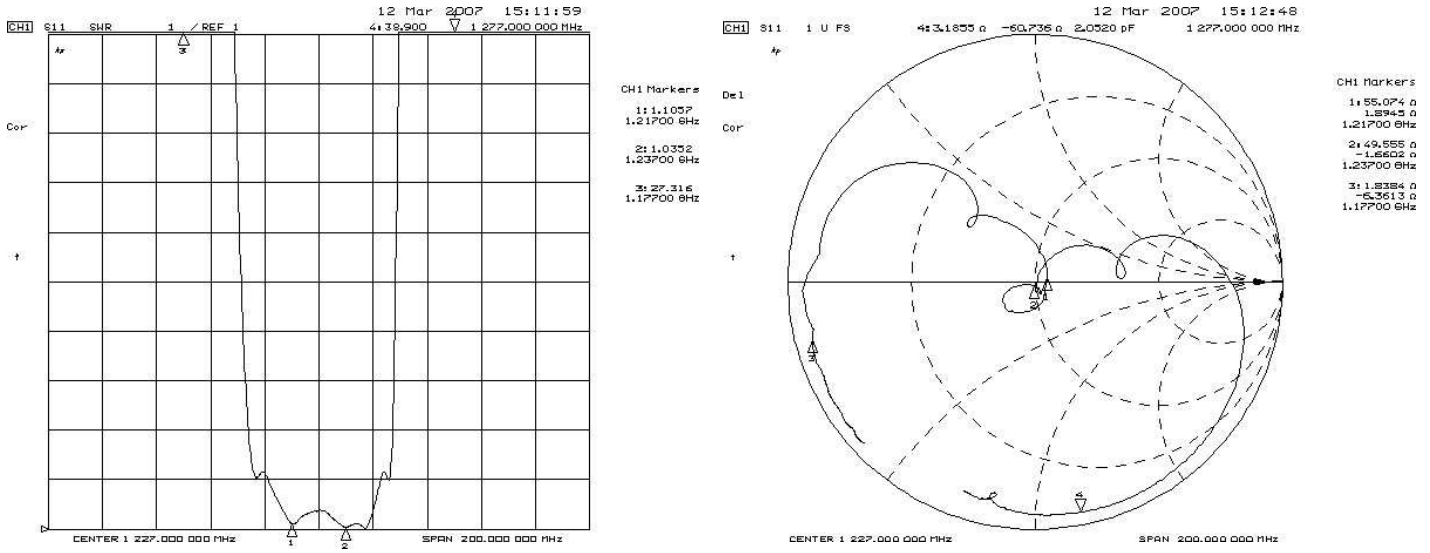
F. Frequency Characteristics :



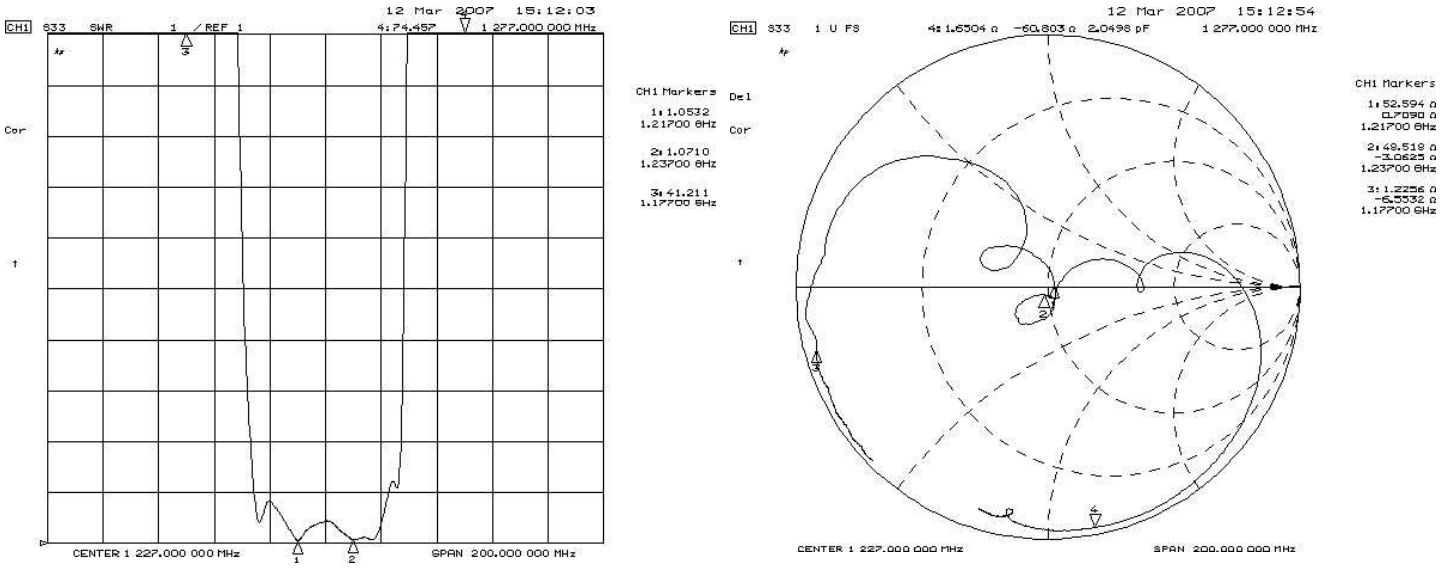


Reflections Functions :

S11 VSWR



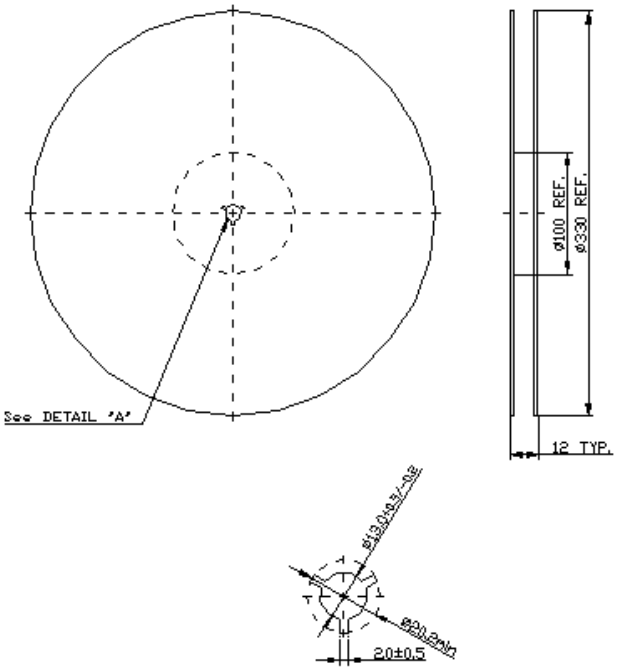
S22 VSWR



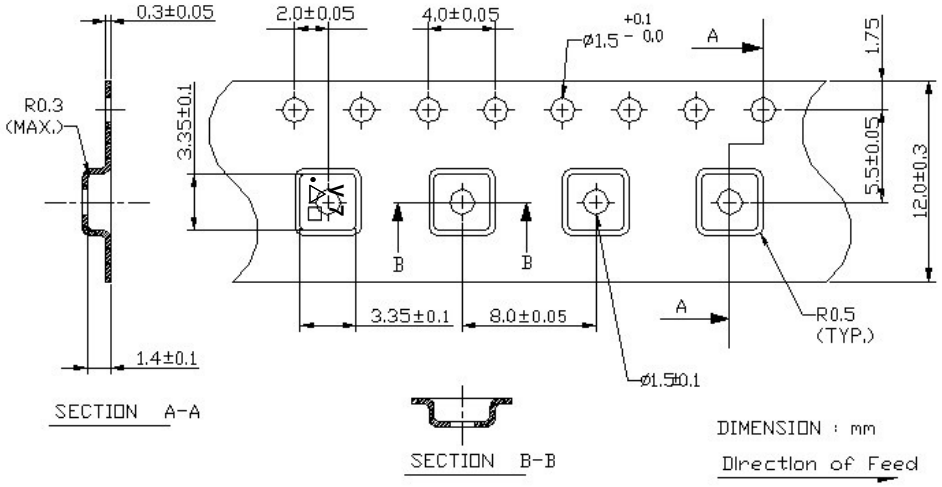
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7”=1000 ; 13”=3000)



2.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.

