

Product Specification Approval Sheet

Product Description: SAW Filter 1030MHz 30MHz BW SMD 3.8×3.8 mm

TST Parts No.:TA0177A

Customer Parts No.:_____

Customer signature required

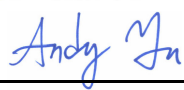
Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Anne Chen 

Approval by:_____ Andy Yu 

Date:_____ 2019/07/22

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 1030 MHz 30 MHz BW SMD 3.8×3.8 mm

MODEL NO.: TA0177A

REV. NO.:7.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 0 V
3. Operating Temperature: -45°C to +85°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)

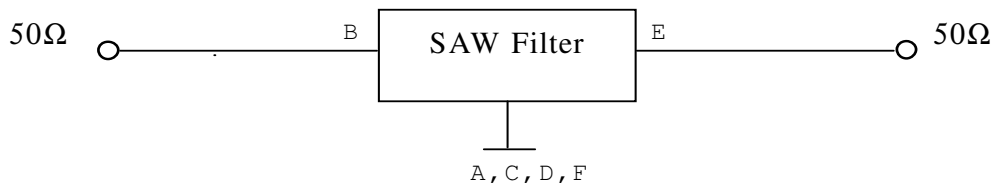
B. ELECTRICAL CHARACTERISTICS:

Characteristics (at 25°C)	Min.	Typ.	Max.
Center frequency F_c (dB)	-	1030	-
Insertion loss within 1015 ~1045 MHz IL (dB)	-	2.3	3.0
Amplitude ripple (p-p) within 1025 ~ 1035 MHz (dB)	-	0.25	1.0
Attenuation (Reference level from 0 dB)			
DC ~ 910 MHz (dB)	25.0	29.5	-
1090 ~ 1300 MHz (dB)	25.0	32.5	-
VSWR within 1015 ~1045 MHz	-	1.8	2.1
Source impedance Z_s (Ω)	-	50	-
Load impedance Z_L (Ω)	-	50	-

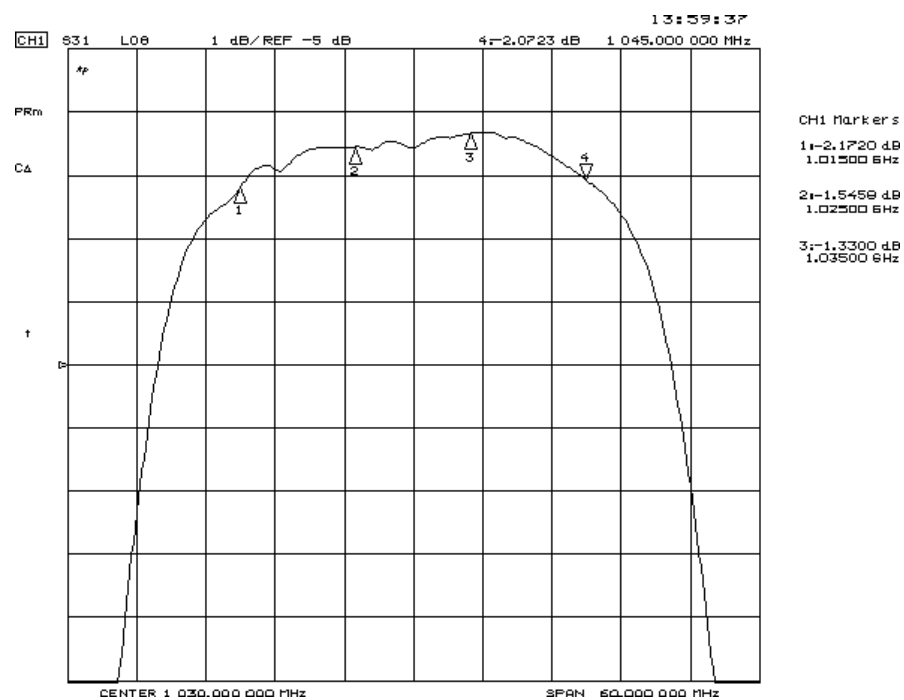
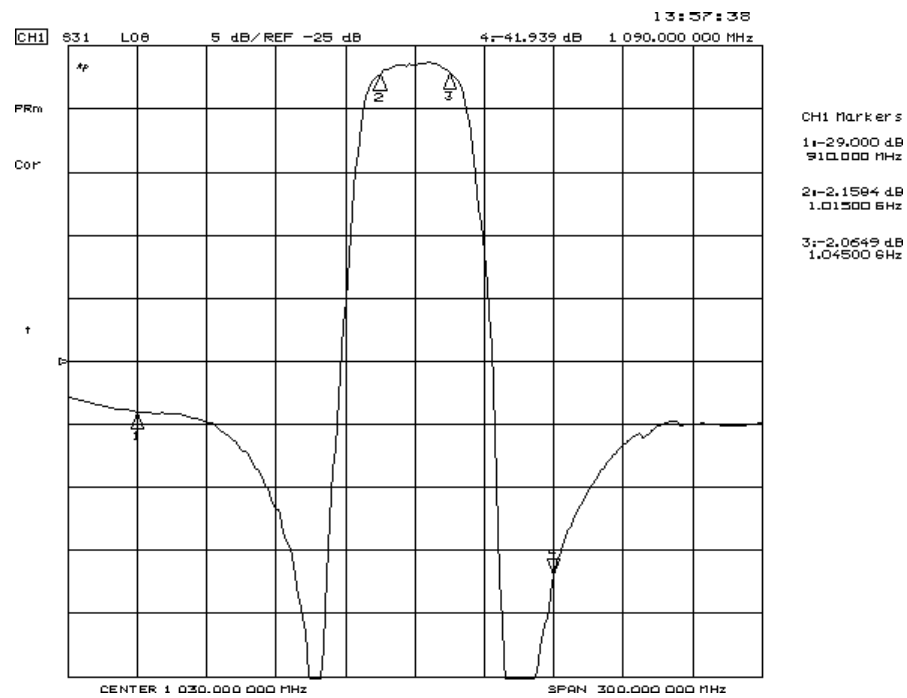
Note1. No matching network required for operation at 50 Ω

C. MEASUREMENT CIRCUIT:

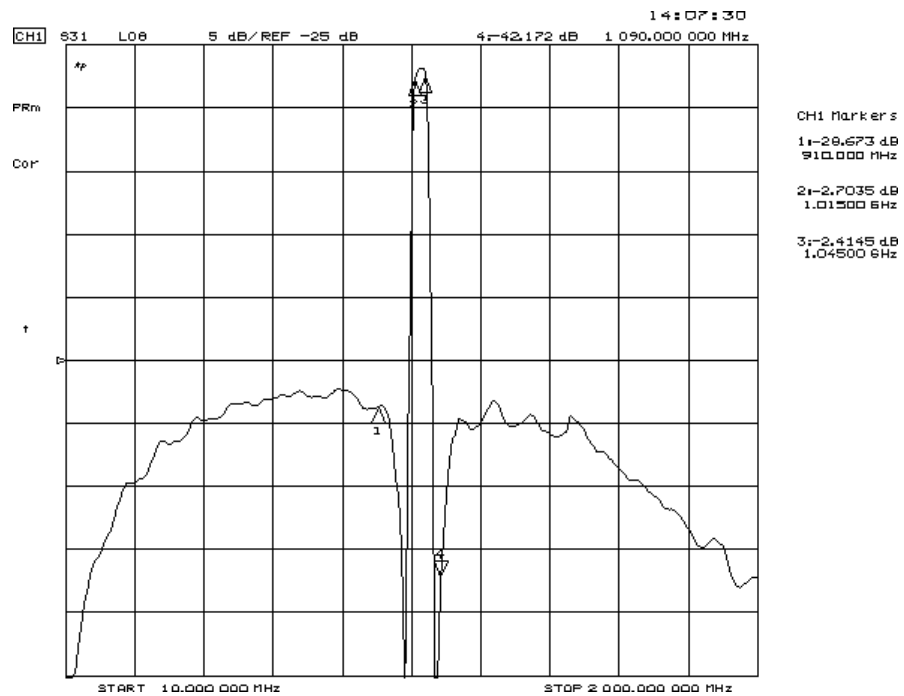
HP Network analyzer



D. Frequency Characteristics:

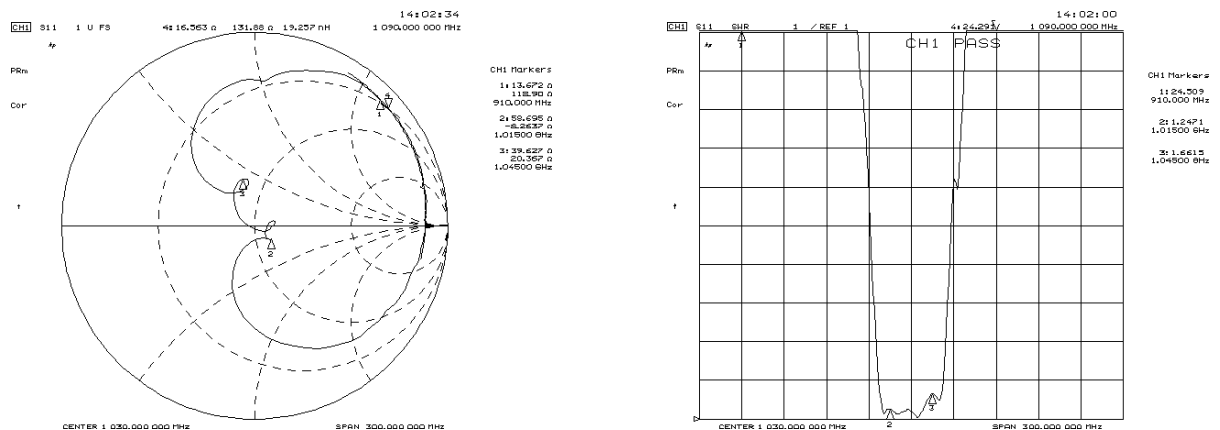


(wideband)

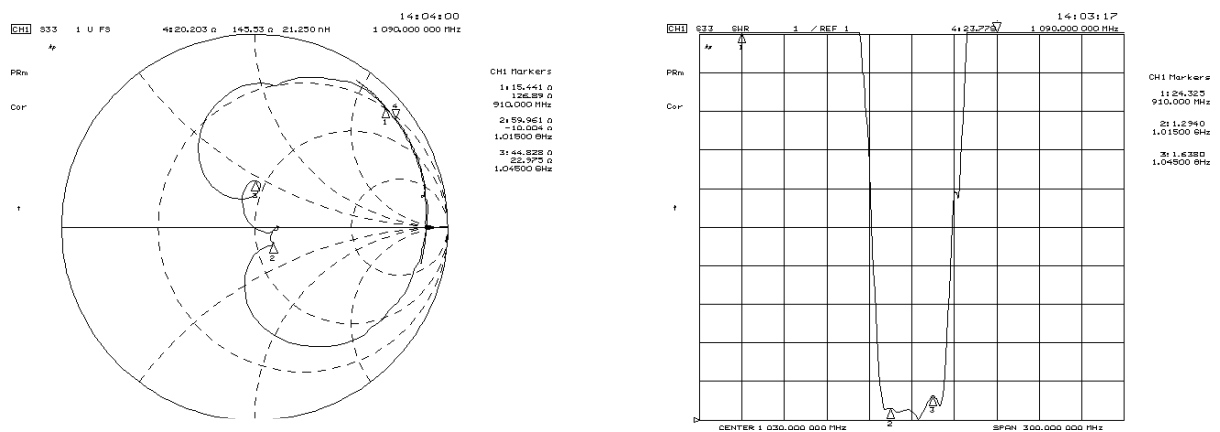


E. Reflections Functions:

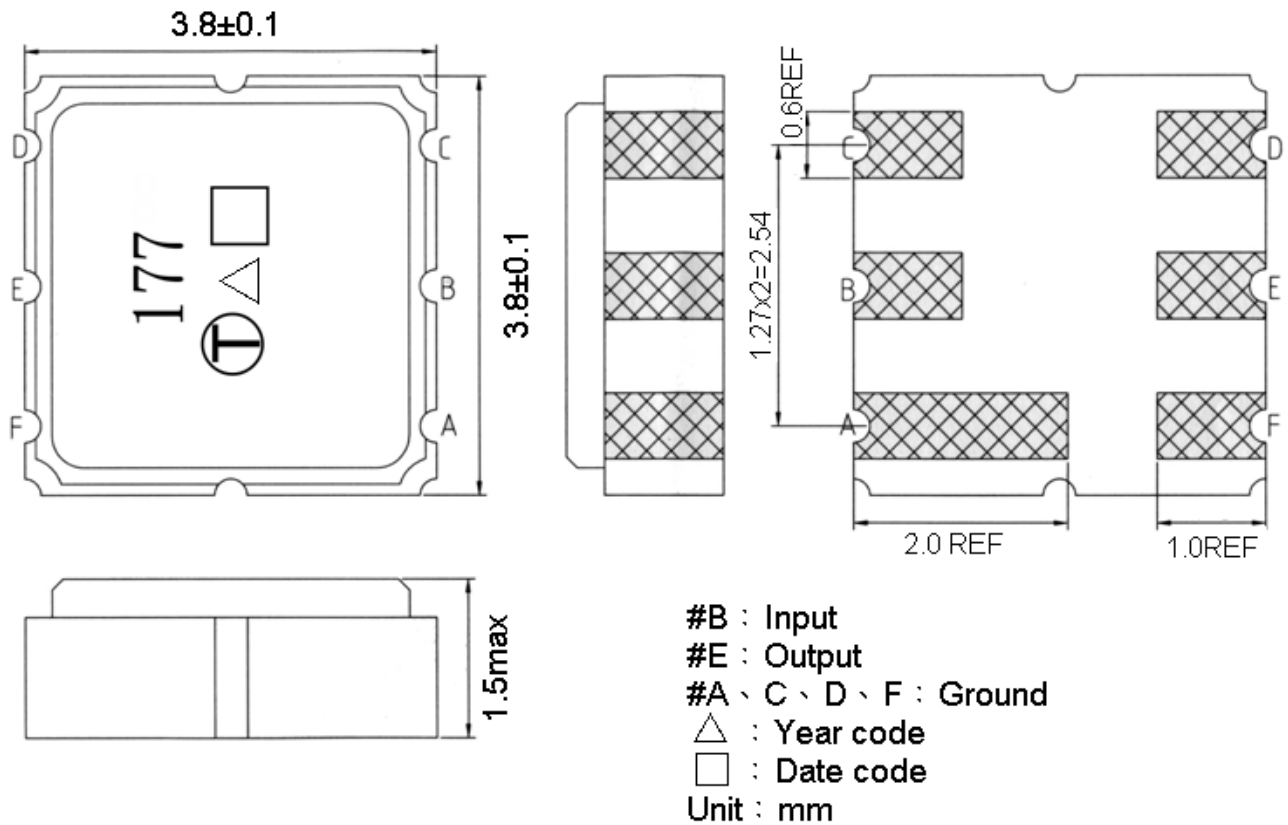
S11:



S22:



F.OUTLINE DRAWING:



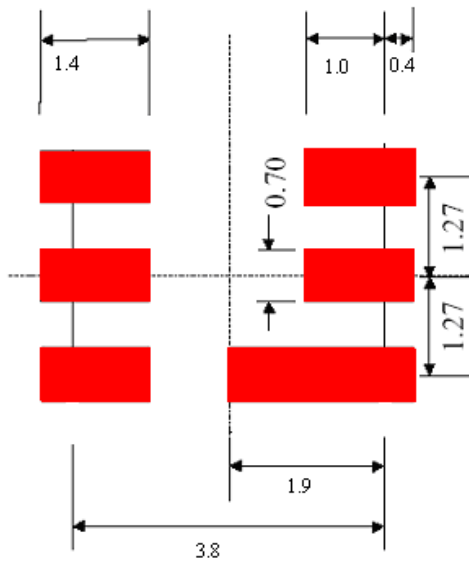
Product / Year Code

Year	2019 2021	2020 2022
Product Code	A	a

Week 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

G. PCB Footprint:



H. PACKING:

1. REEL DIMENSION (Please refer to FR-75D10 for packing quantity)

