

Product Specifications Approval Sheet

Product Description: SAW Filter 352 MHz SMD 5.0X5.0 mm

TST Parts No.: TB352FD-1

Customer Parts No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Kazuma Lee *Kazuma Lee*

Approval by: _____ Andy Yu *Andy Yu*

Date: _____ 2019/09/05

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.

SAW Filter 352 MHz For WLAN

MODEL NO.: TB352FD-1

REV. NO.:3.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 0 V_{DC}
3. Operating Temperature: -25°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

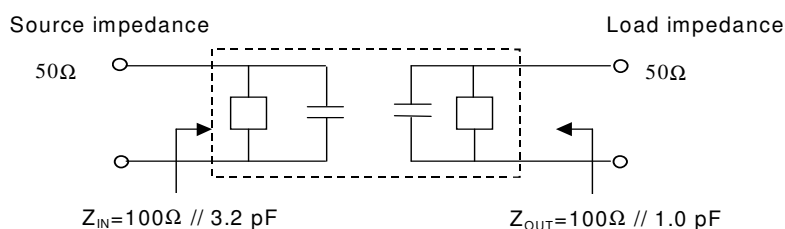
Electrostatic Sensitive Device

B. ELECTRICAL CHARACTERISTICS:

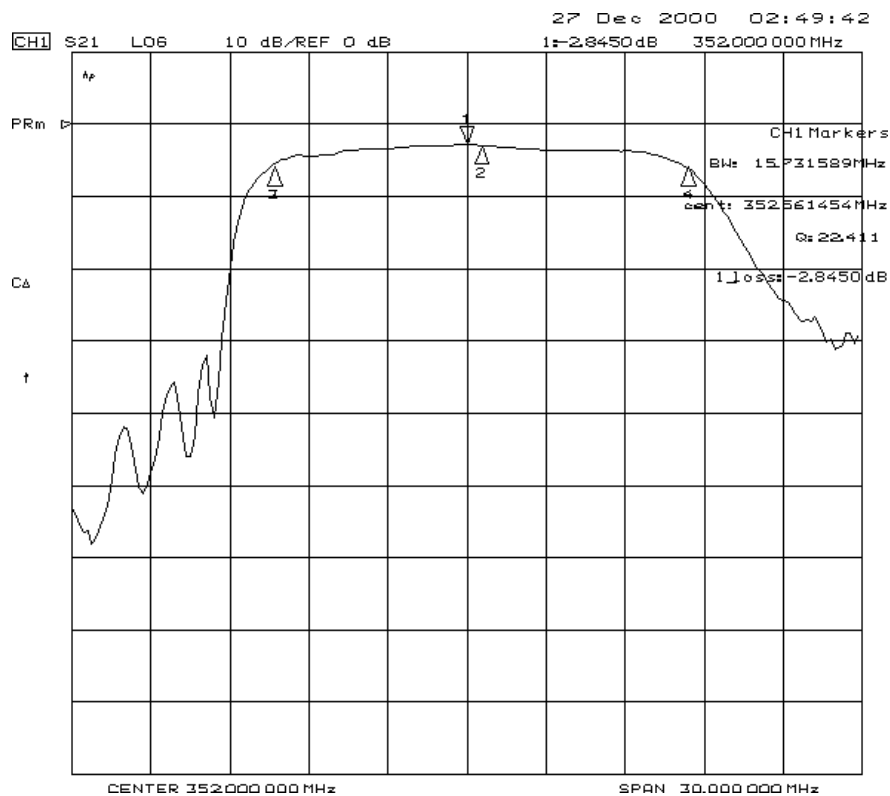
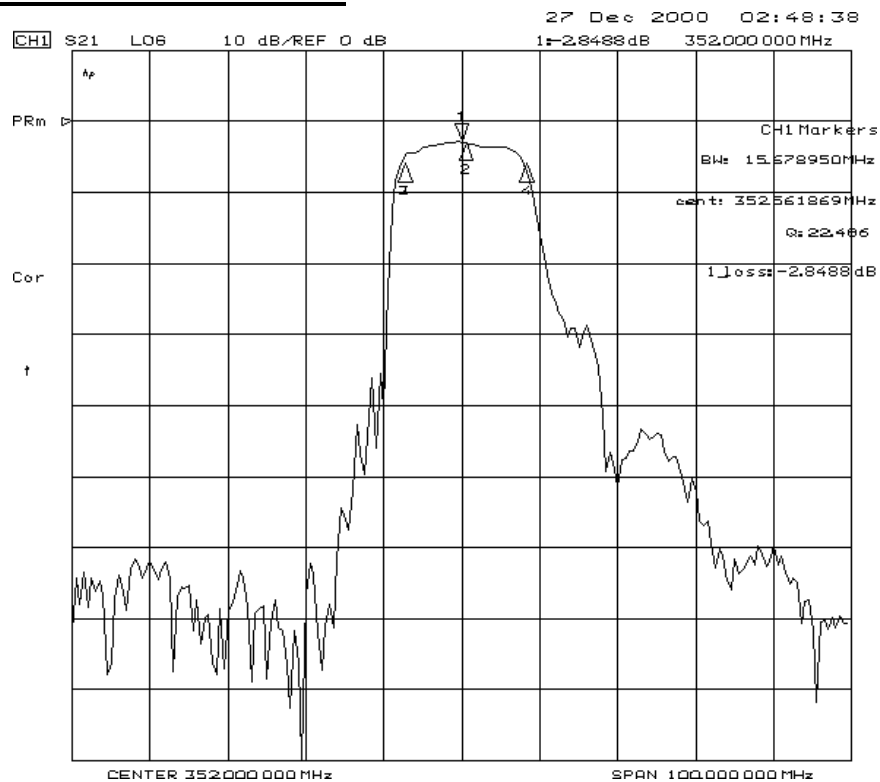
Item	Min.	Typ.	Max.	Note
Center frequency F_C (MHz)	-	352	-	1
Minimum Insertion loss I.L._{min} (dB)	-	2.5	3.5	1
Amplitude Ripple within 346 ~ 358MHz (dB)	-	1.4	3.0	1
Group Delay Ripple within 346.0~358 MHz (ns)	-	50	170	1
346.5~358 MHz (ns)	-	45	120	
Pass Bandwidth BW_{-3dB} (MHz)	14.0	15.5		
Attenuation:(Reference level from I.L._{min}) (dB)				
300 to 333 MHz (dB)	45	55	-	1
333 to 341 MHz (dB)	11	34	-	
363 to 366 MHz (dB)	11	18	-	
366 to 371 MHz (dB)	22	25	-	
371 to 374 MHz (dB)	25	35	-	
374 to 392 MHz (dB)	34	36	-	
392 to 400 MHz (dB)	45	54	-	
Impedance at F_C ; Input $Z_{IN}=R_{IN}/C_{IN}$ Output $Z_{OUT}=R_{OUT}/C_{OUT}$	100Ω // 3.2 pF 100Ω // 1.0 pF			2

Note1. The standard definitions is in JIS C 6703

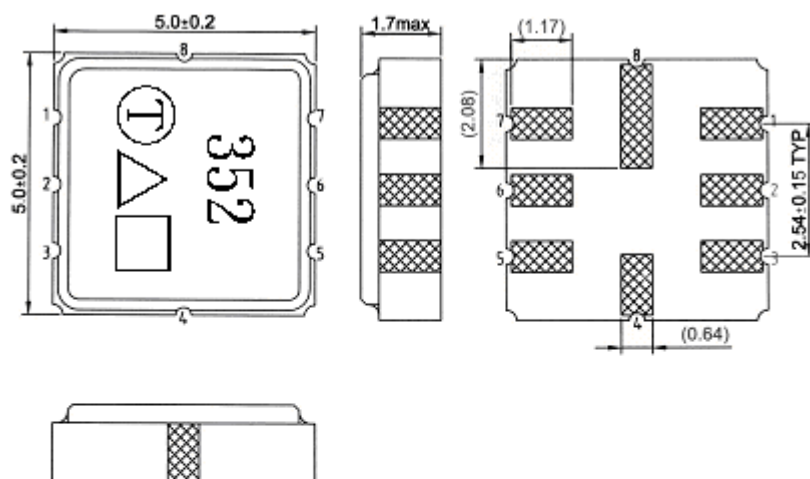
Note2.



C. FREQUENCY CHARACTERISTICS:



D. OUTLINE DRAWING:



#2 ~ 3 : Input, Input Ground or bal. Input
 #6 ~ 7 : Output, Output Ground or bal. Output
 #1 ~ 5 : Ground
 #4 ~ 8 : Case Ground
 △ : Year code
 □ : Date code
 Unit : mm

Product / Year Code- 4year cycle

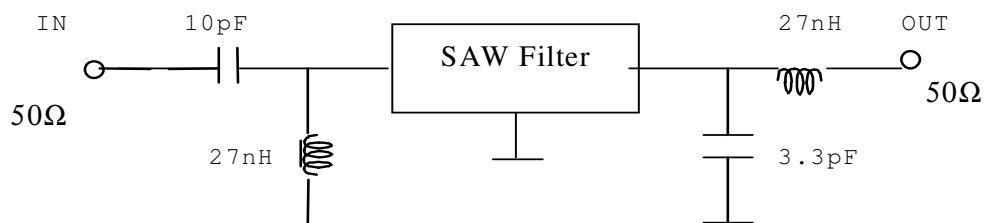
Year	2017 2021	2018 2022	2019 2023	2020 2024
Product Code	F	f	E	f

Week Code Table

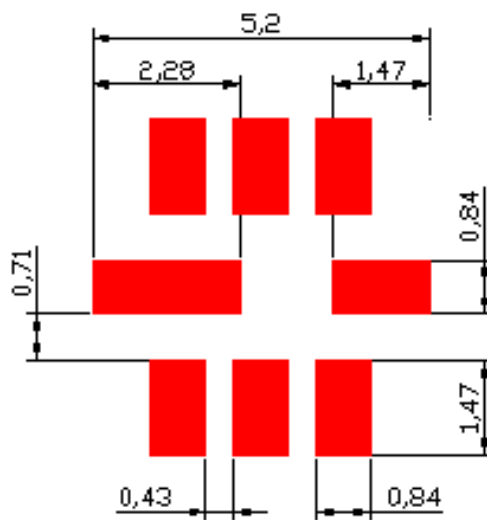
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

E. MEASUREMENT CIRCUIT:

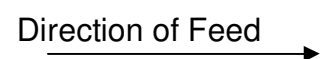
HP Network analyzer



F. PCB FOOTPRINT:



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



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 260°C +0/-5°C peak (20~40sec).
4. Time: 2 times.

