

SAW Filter 638MHz

MODEL NO.:TA0963B

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -30 °C to +55 °C
4. Storage Temperature: -40 °C to +85 °C
5. Moisture Sensitivity Level: Level 1 (MSL 1)



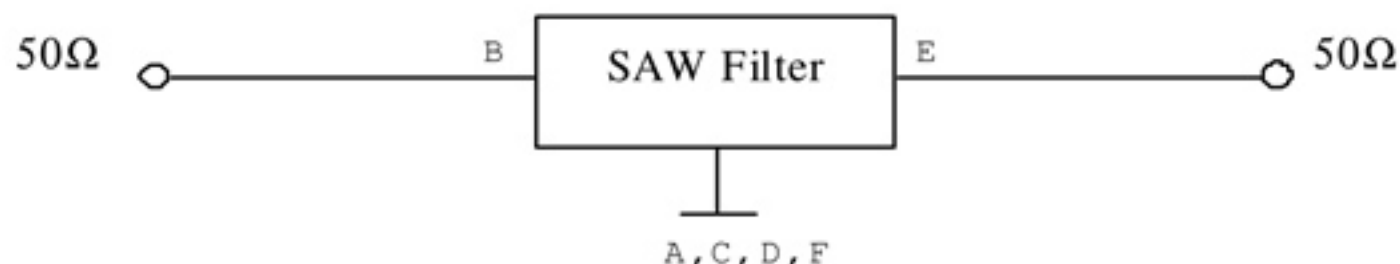
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

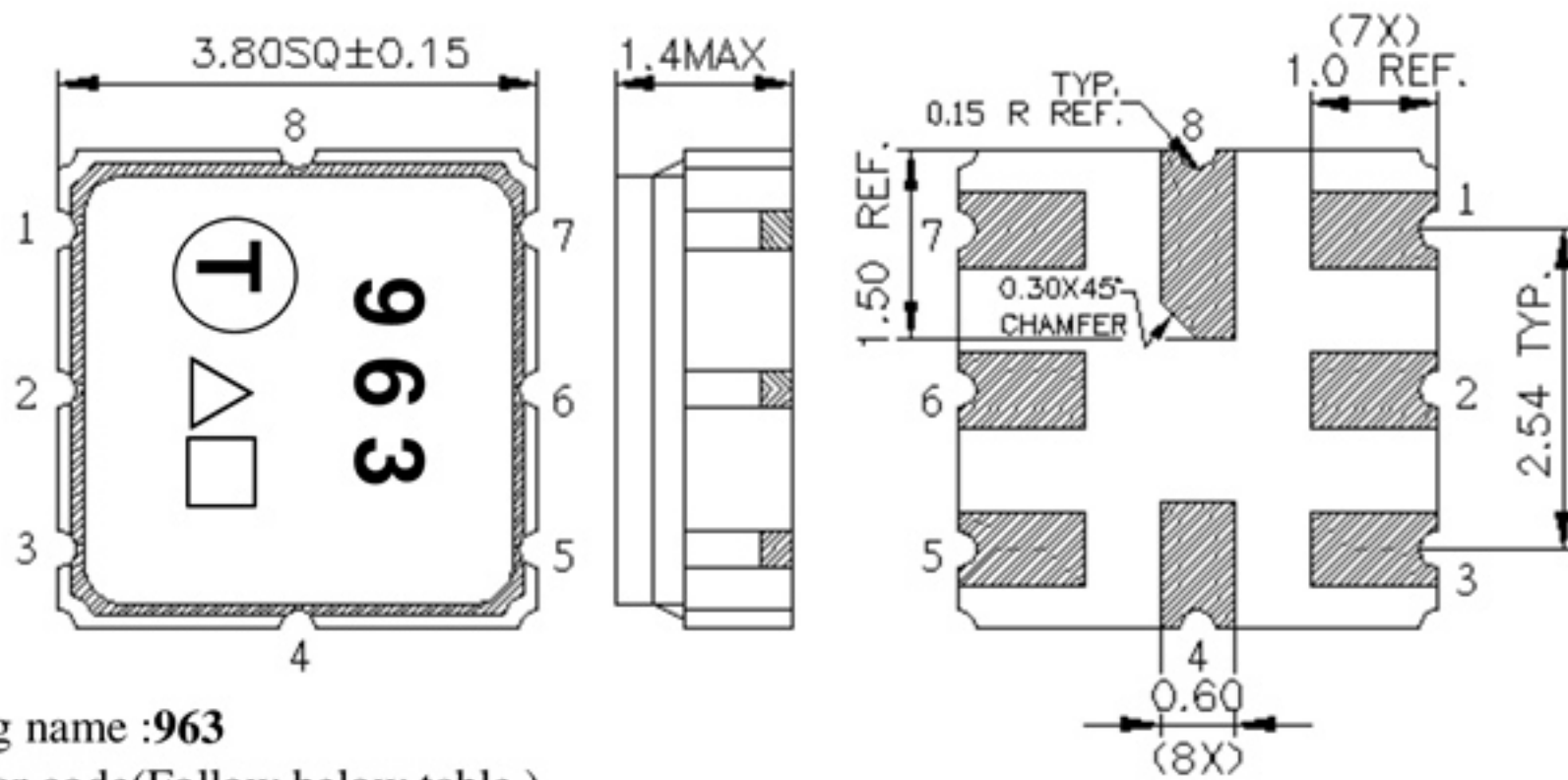
Item	Unit	Min.	Type.	Max.	Note	
Center Frequency Fc	MHz	-	638		-	
Insertion Loss (626~ 650 MHz) IL	dB	-	2.3	4.5	-	
Amplitude Ripple(626~ 650 MHz)	dB	-	0.8	3	-	
Group Delay Variation (626~ 650 MHz)		-	32	100	-	
Relative Attenuation (relative to 0 dB)						
0 ~ 573 MHz	dB	35	57	-	-	
573 ~ 590 MHz	dB	37	58	-	-	
675 ~ 720 MHz	dB	30	40	-	-	
720 ~ 1000 MHz	dB	35	50	-	-	
1000 ~ 1500 MHz	dB	30	47	-	-	
Temperature Coefficient of Frequency	Ppm/°C		-35			

C. MEASUREMENT CIRCUIT:

HP Network analyzer



D.OUTLINE DRAWING:



Marking name :963

△ : year code(Follow below table.)

Year	平成 奇数年	平成 偶数年
Product Code	A	a

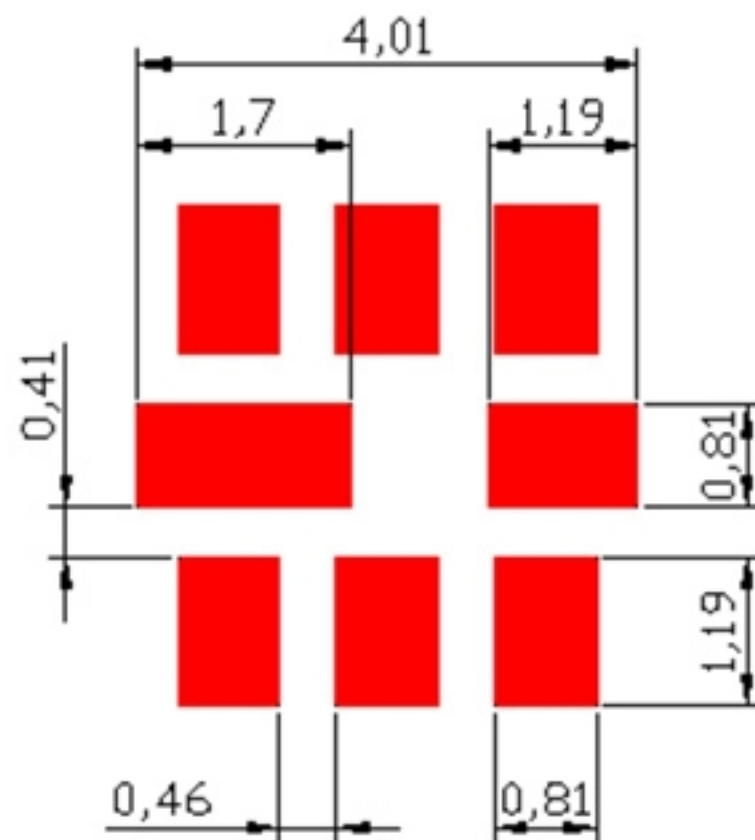
#2: Input
 #6: Output
 #1,3,4,5,7,8: Ground
 Unit: mm

□ : Date Code (Follow the table from planner each year)

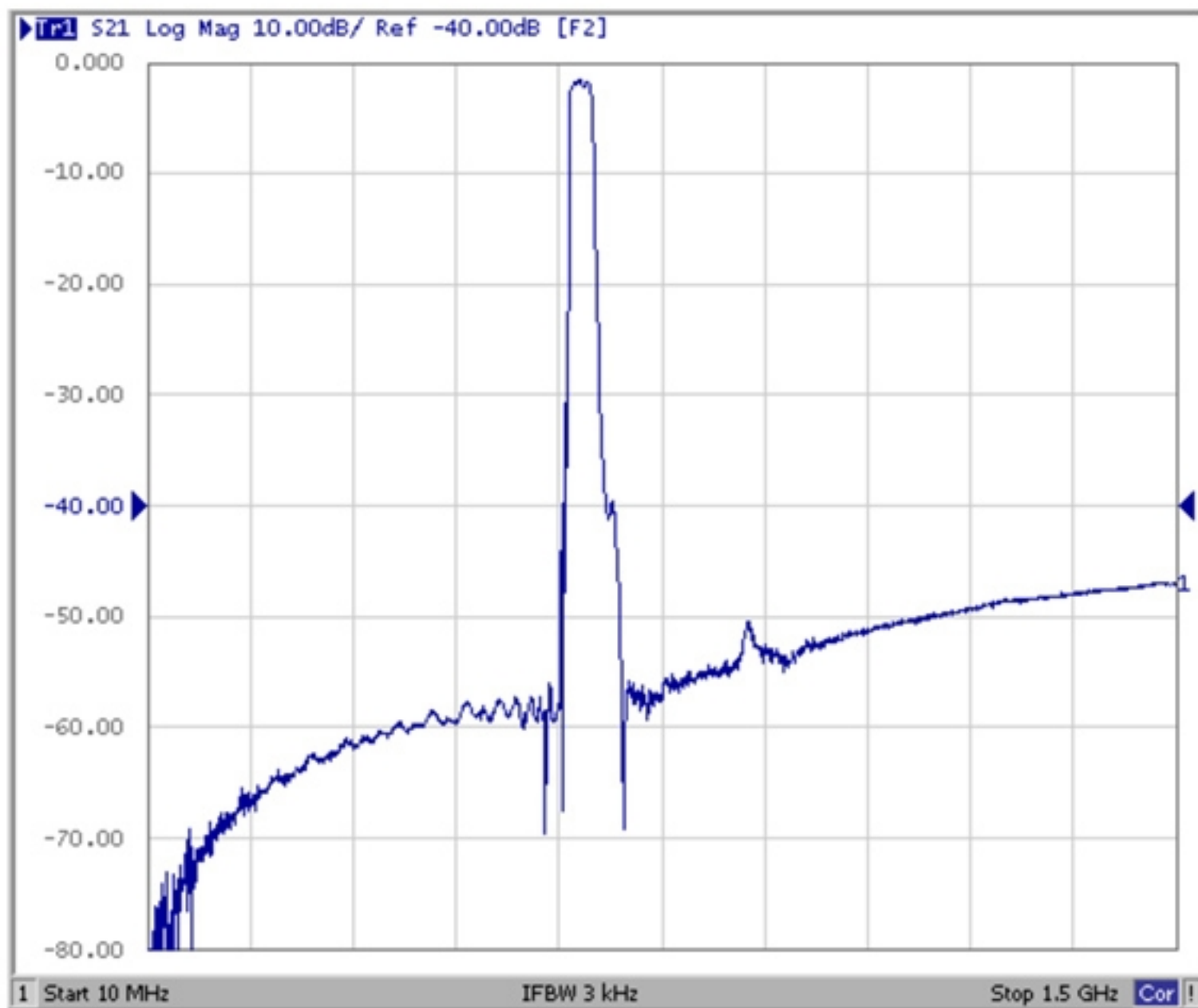
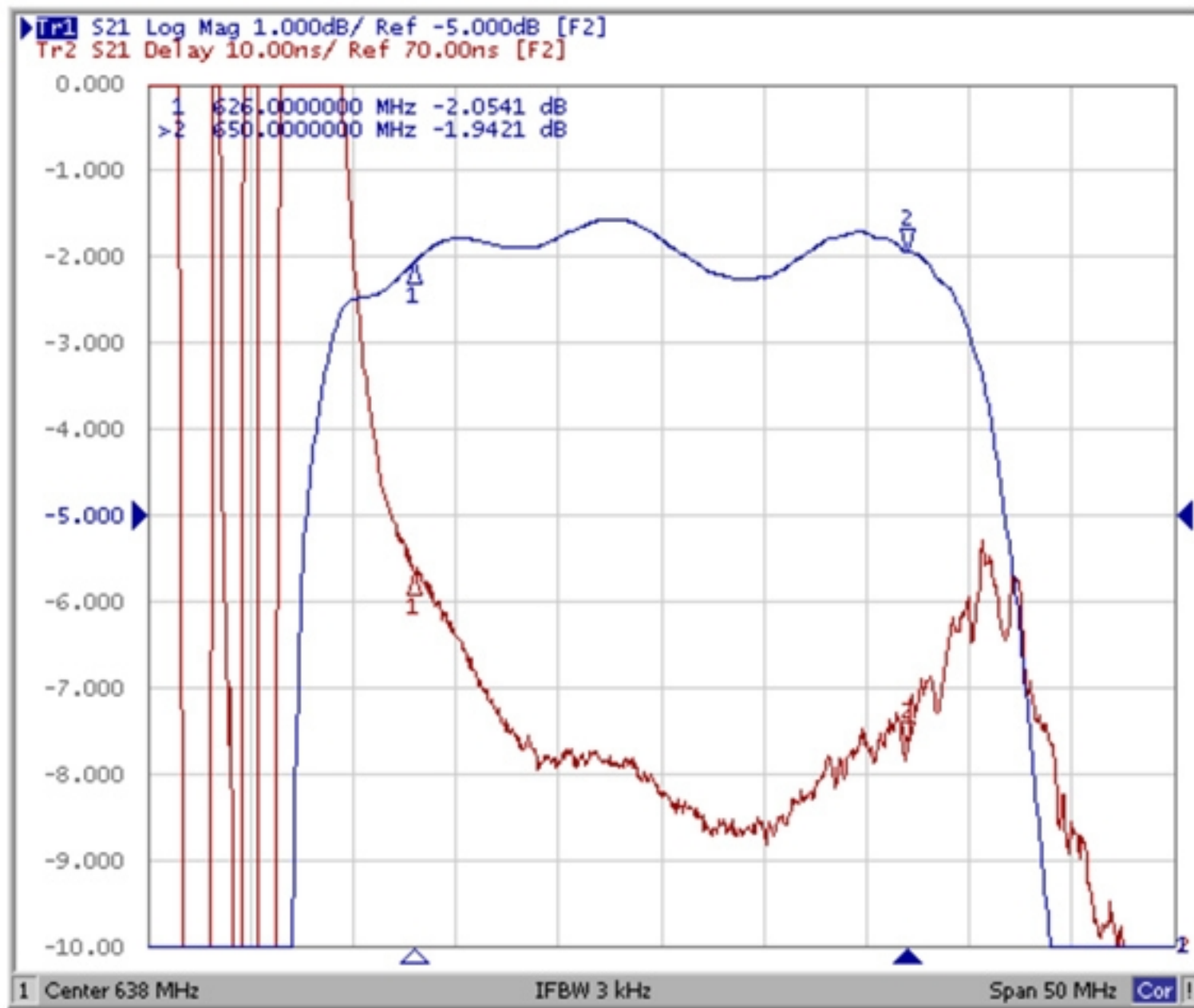
Date Code Table

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 :



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.

