

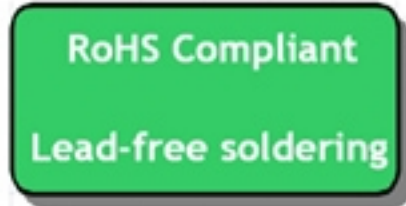
# SAW Filter 772 MHz

MODEL NO.:TA1641A

REV. NO.:2

## A. MAXIMUM RATING:

1. Input Power Level: 20 dBm
2. DC Voltage : 3 V
3. Operating Temperature: -30 °C to +85 °C
4. Storage Temperature: -40 °C to +85 °C
5. Moisture Sensitivity Level: Level 1 (**MSL1**)



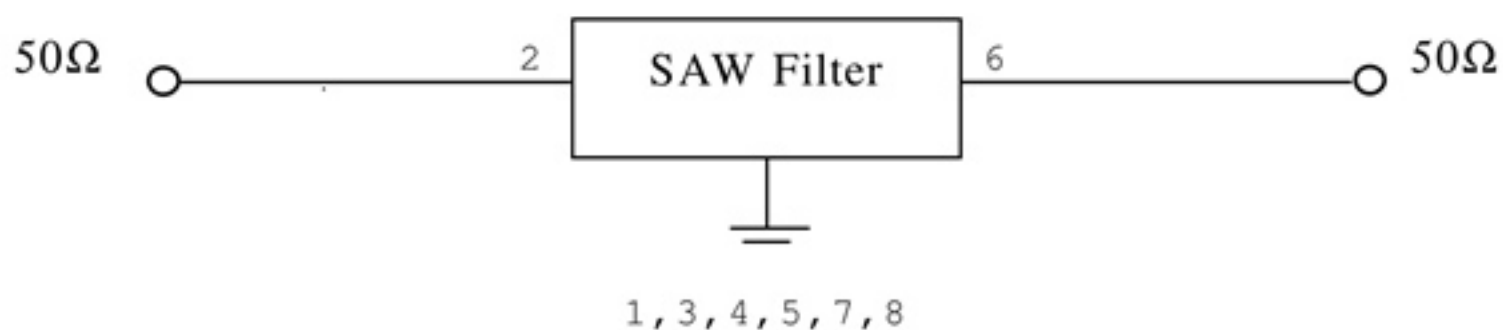
**Electrostatic Sensitive Device (ESD)**

## B. ELECTRICAL CHARACTERISTICS:

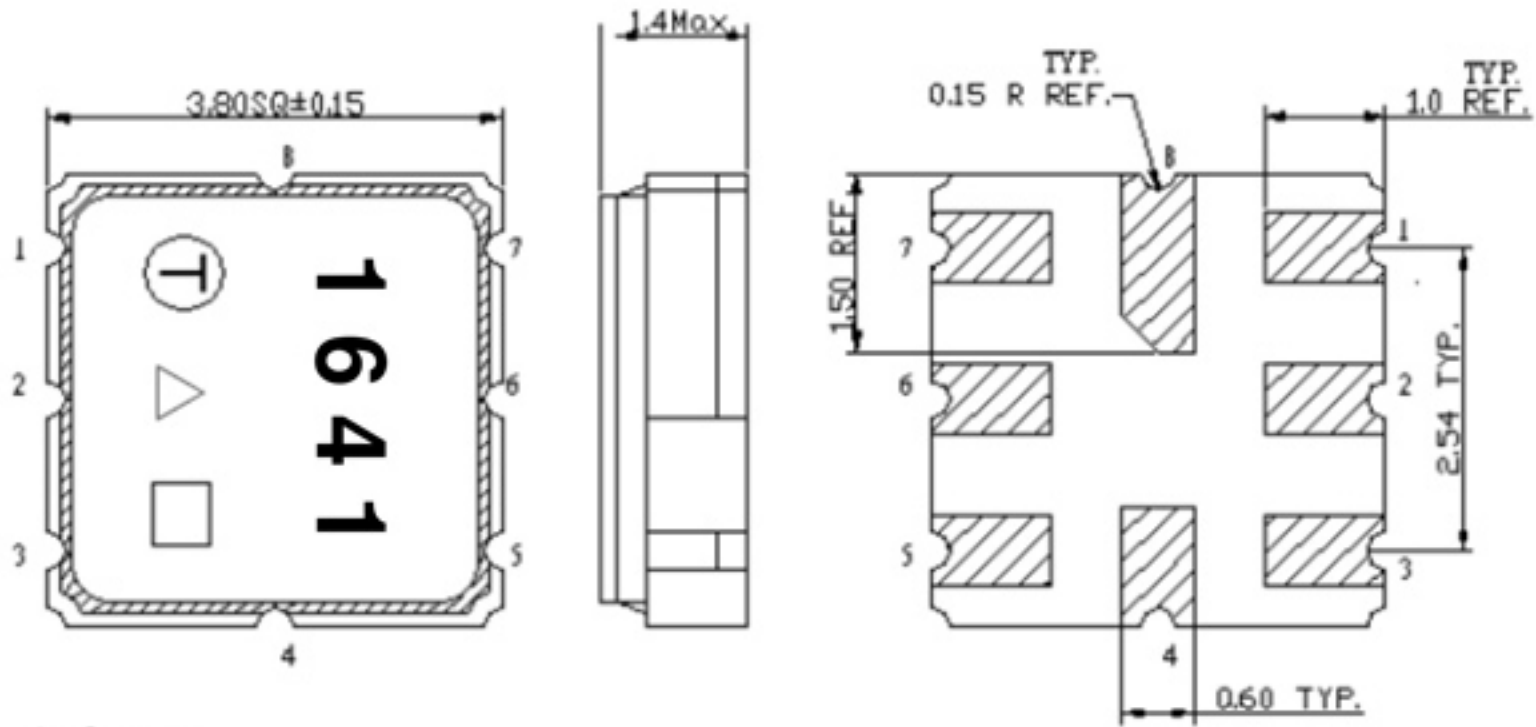
Item	Unit	Min.	Typ.	Max.	
Center frequency <b>Fc</b>	MHz	-	772	-	
Insertion Loss (768~776 MHz) <b>IL</b>	dB	-	2.8	3.8	
Amplitude Ripple (768~776 MHz)	dB	-	0.4	2.2	
<b>Attenuation</b> (Reference level from 0 dB)					
DC ~ 754 MHz	dB	35	50	-	
754 ~ 756 MHz	dB	22	47	-	
788 ~ 890 MHz	dB	11	24	-	
890 ~ 1500 MHz	dB	35	57	-	
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	

## C. MEASUREMENT CIRCUIT:

HP Network analyzer



**D. OUTLINE DRAWING:**



**2: Input**

**6: Output**

**1, 3, 4, 5, 7, 8: Ground**

**△ : Year Code**

**□ : Date Code**

**Unit: mm**

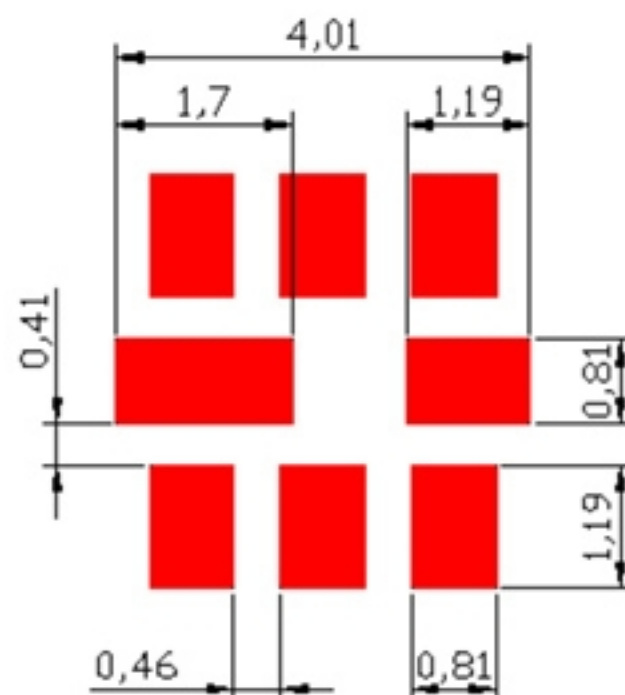
△ Product Year Code

Year	2011	2012
	2013	2014
	2015	2016
	2017	2018
	Product Code	A

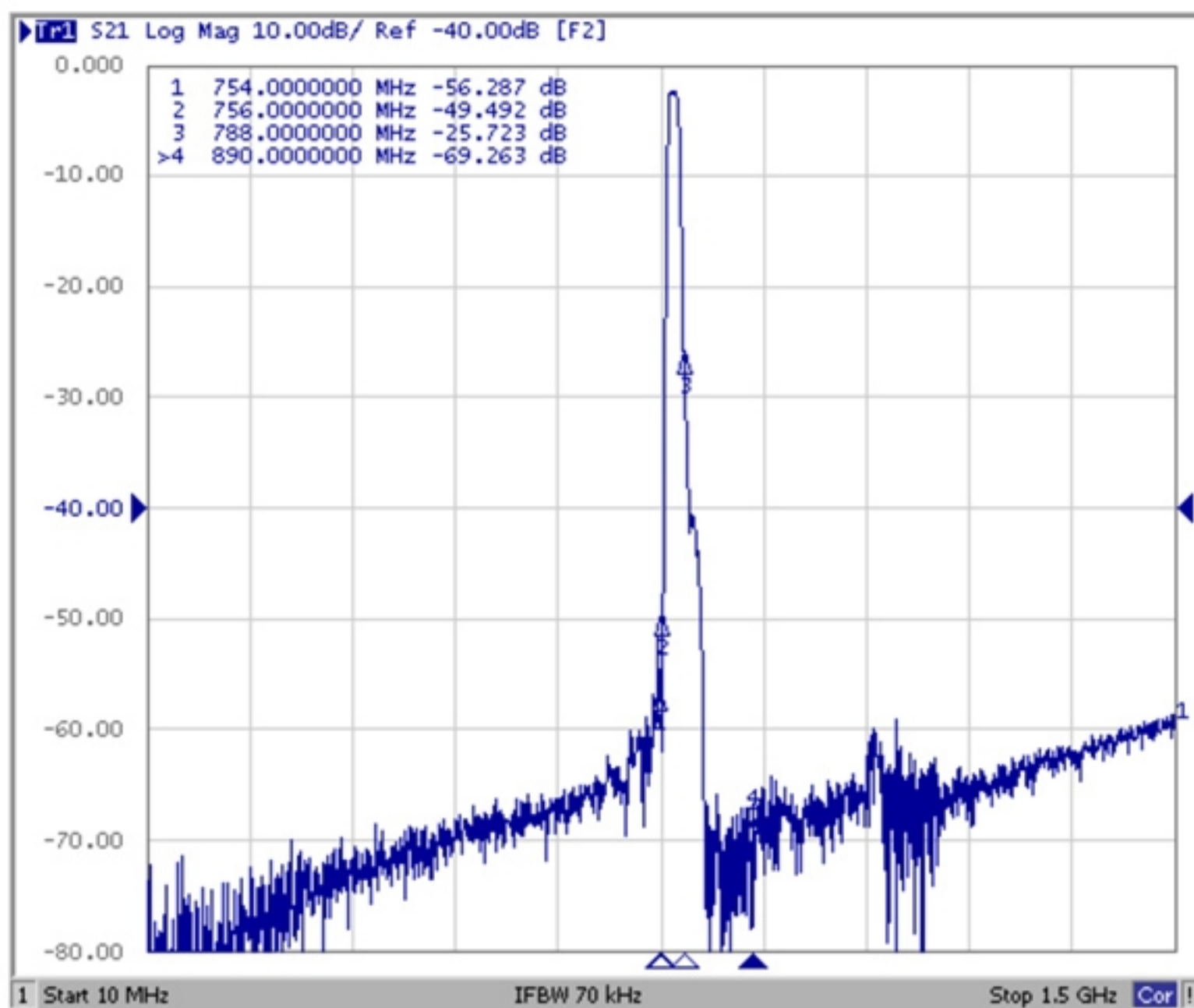
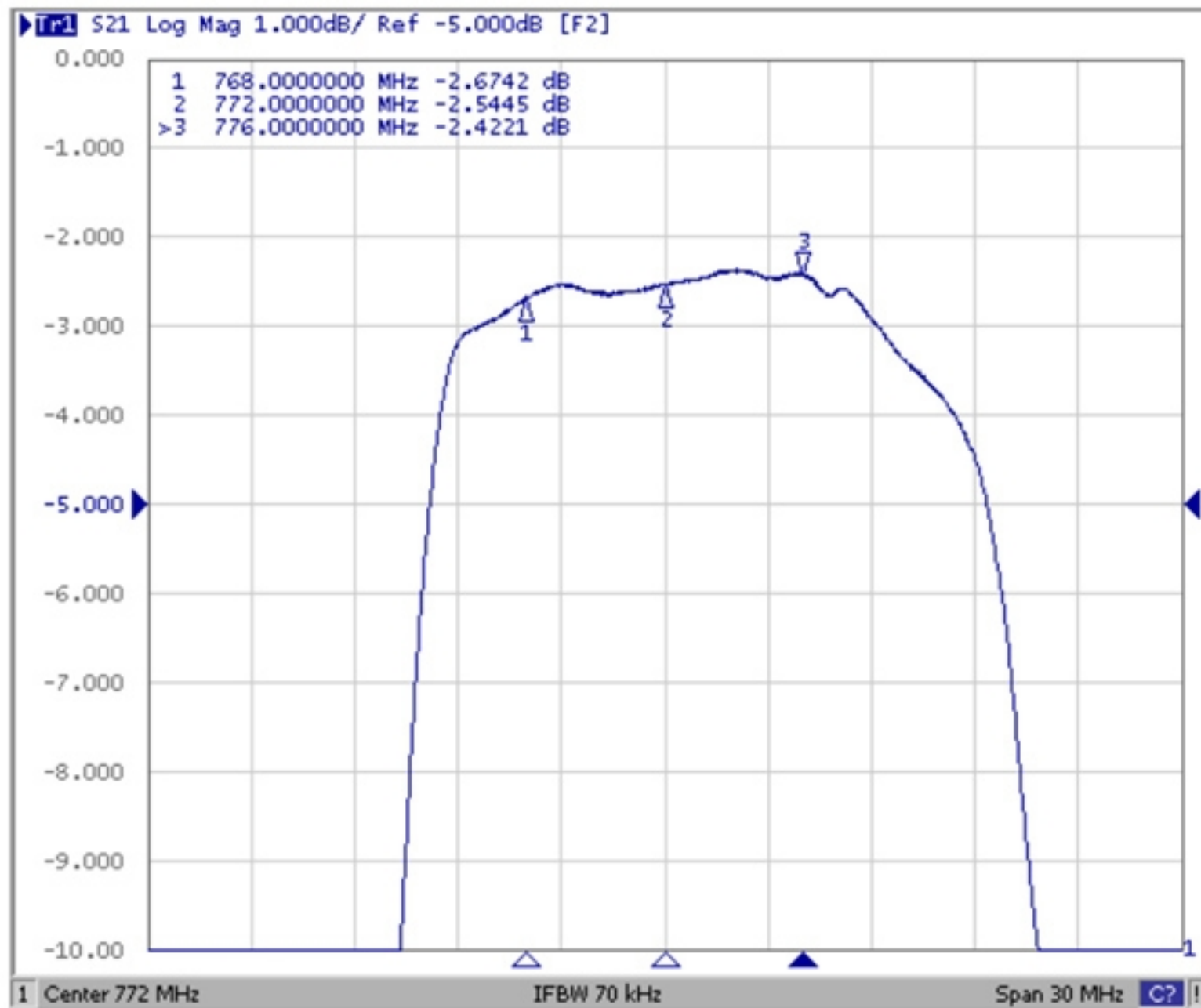
**Date Code Table:**

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.

