

# SAW Filter 1395 MHz

MODEL NO.: TA2485A

REV. NO.:1

## A. MAXIMUM RATING:

1. Input Power Level: 10 dB<sub>m</sub>
2. DC voltage: 3 V
3. Operating Temperature: -40°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

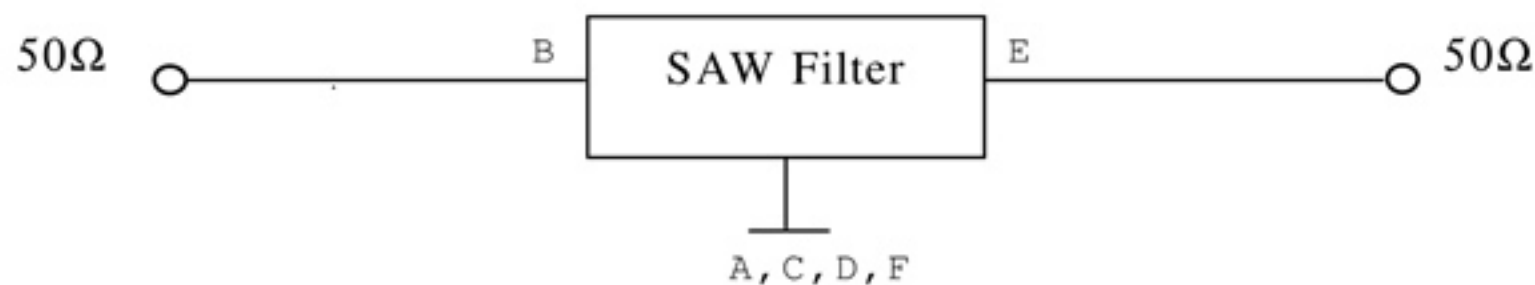
Electrostatic Sensitive Device (ESD)

## B. ELECTRICAL CHARACTERISTICS:

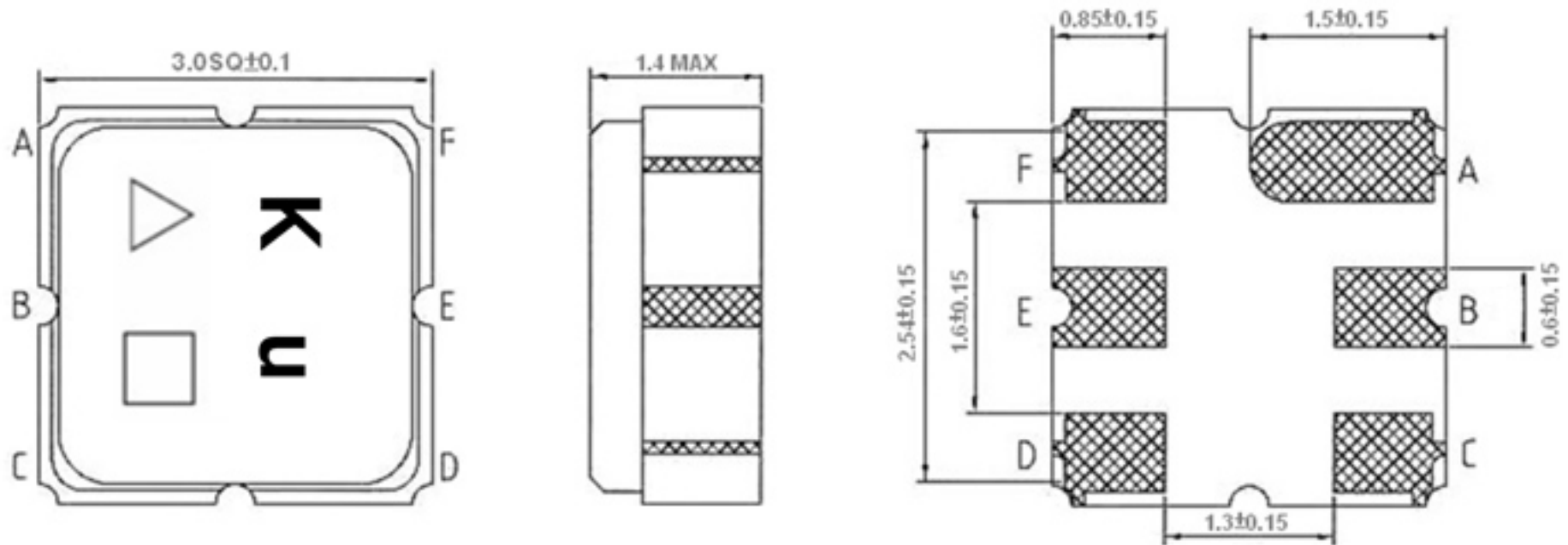
Item	Unit	Min.	Typ.	Max.	
Center frequency	Fc	MHz	-	1395	-
Insertion Loss (1350~1440 MHz)	IL	dB	-	3.3	4.2
Amplitude ripple (1350~1440 MHz)	dB	-	0.9	1.8	
VSWR (1350~1440 MHz)	-	-	2.4	2.6	
<b>Attenuation</b> (Reference level from 0 dB)					
10 ~ 1270	MHz	dB	24	29	-
1520 ~ 3000	MHz	dB	24	30	-
Temperature coefficient of frequency	ppm/k	-	-80	-	

## C. MEASUREMENT CIRCUIT:

HP Network analyzer



### D. OUTLINE DRAWING:



**B:** Input

**E:** Output

**A, C, D, F:** Ground

**Unit:** mm

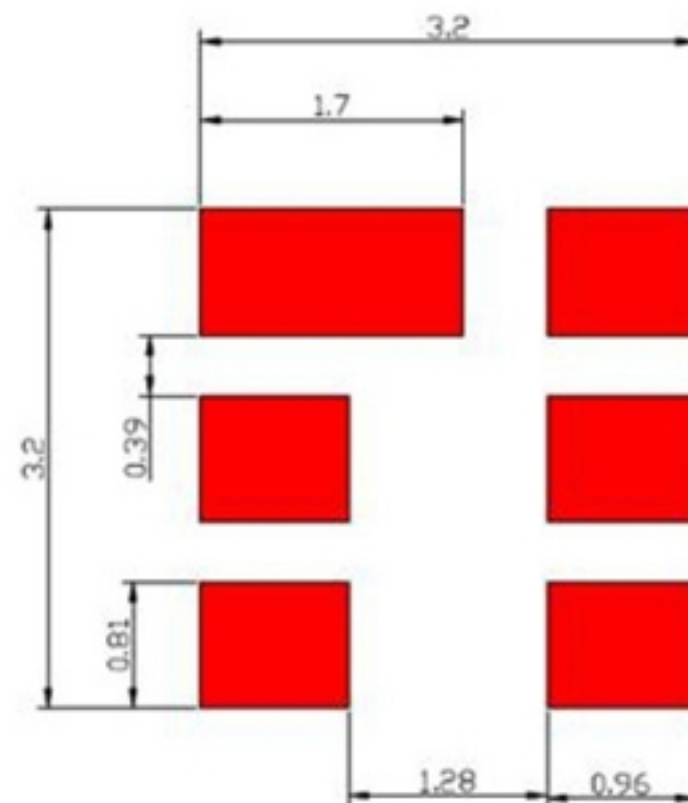
$\triangle$  : Year Code (2011->1, 2012->2, ..., 2019->9, 2020->0)

$\square$  : Date Code

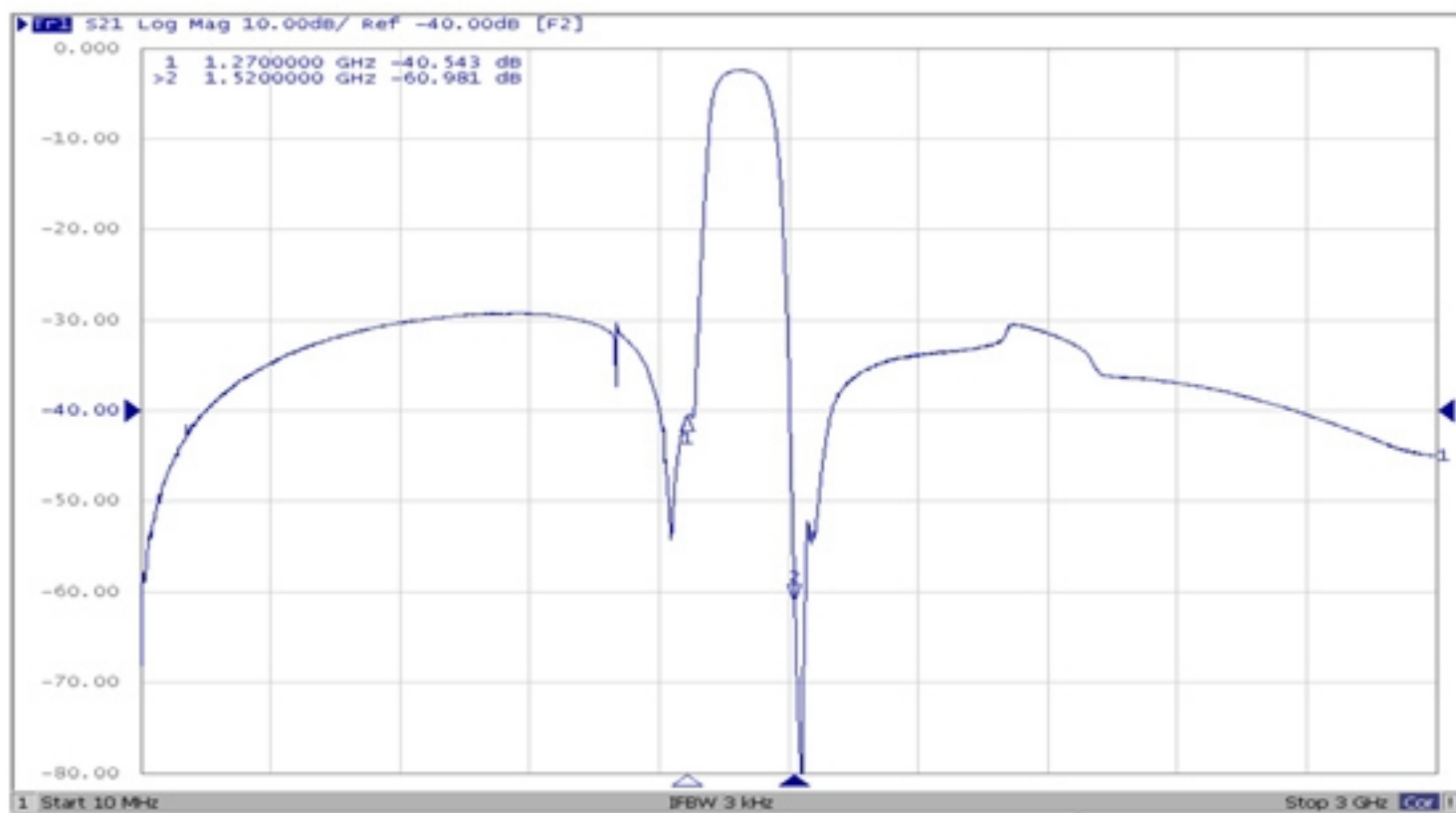
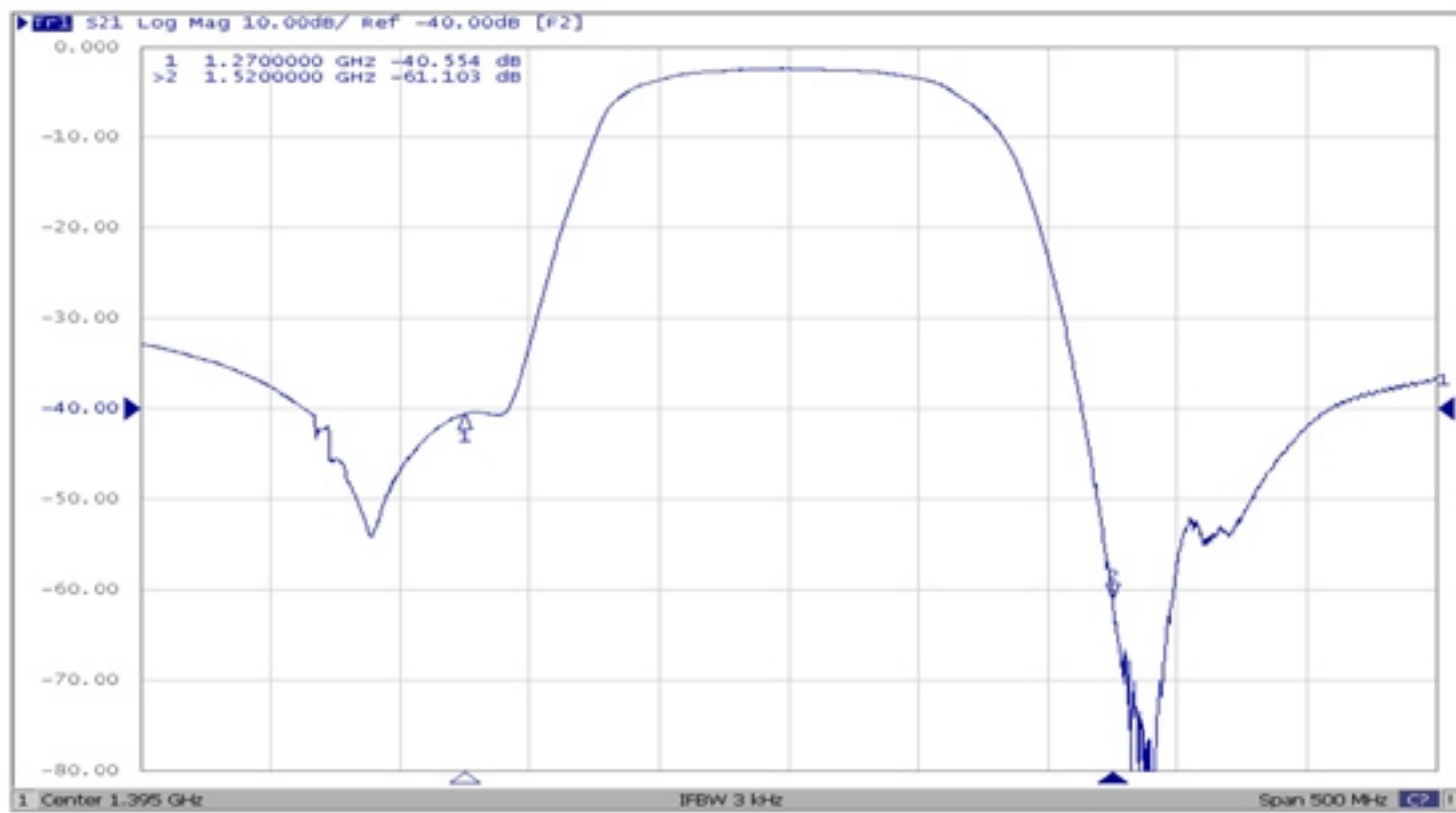
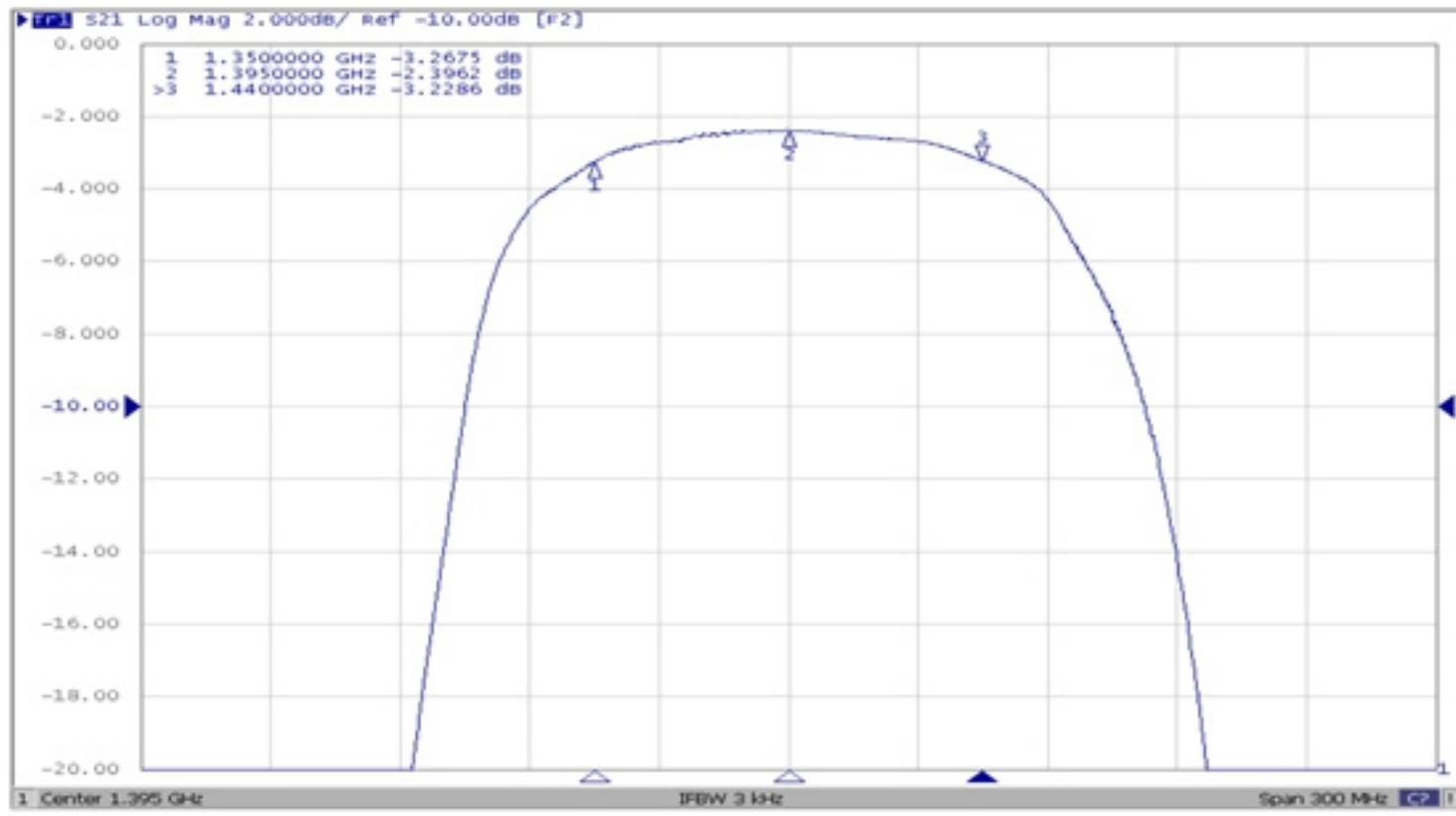
### Date Code Table:

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:

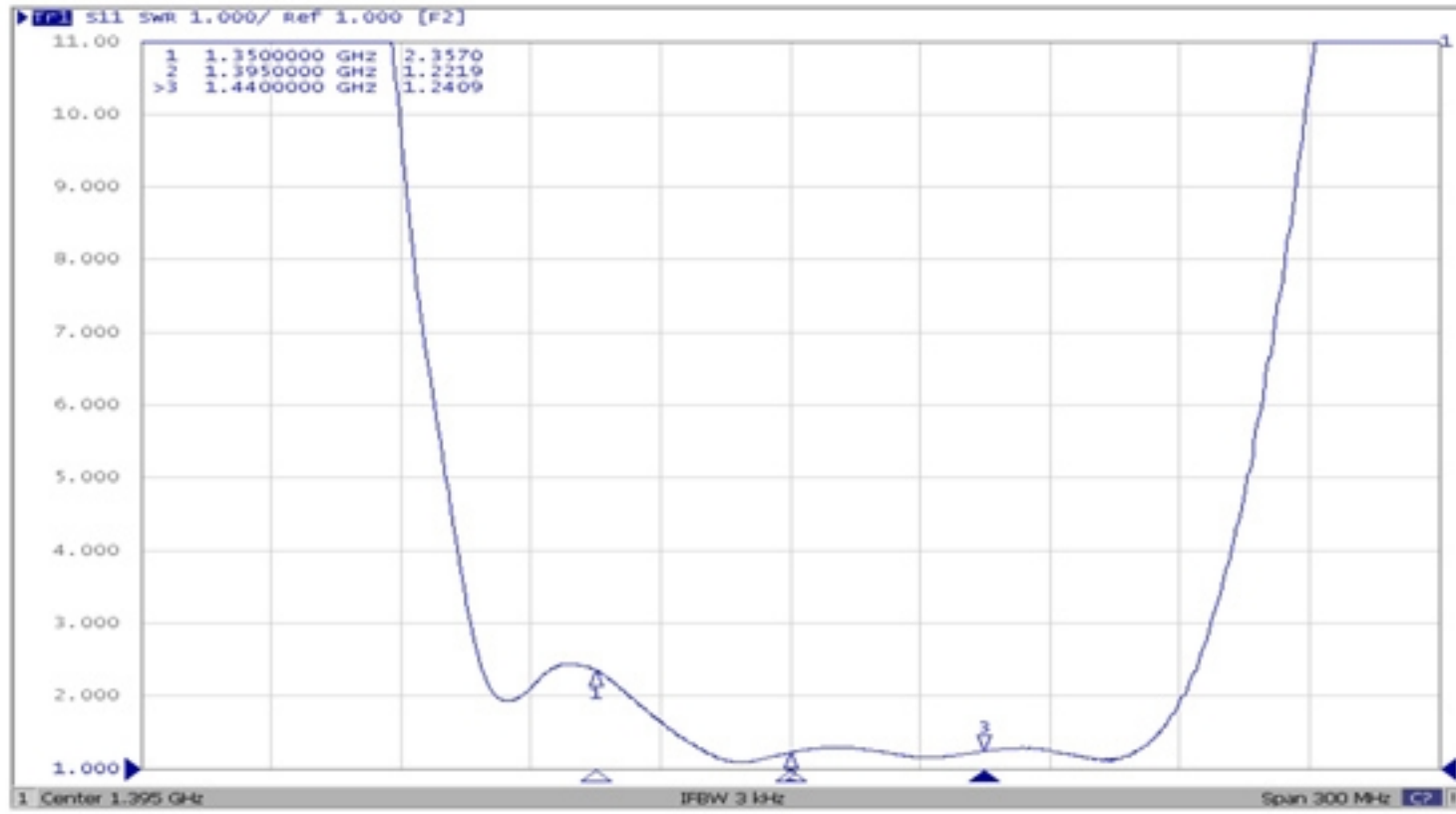


## F. Frequency Characteristics:

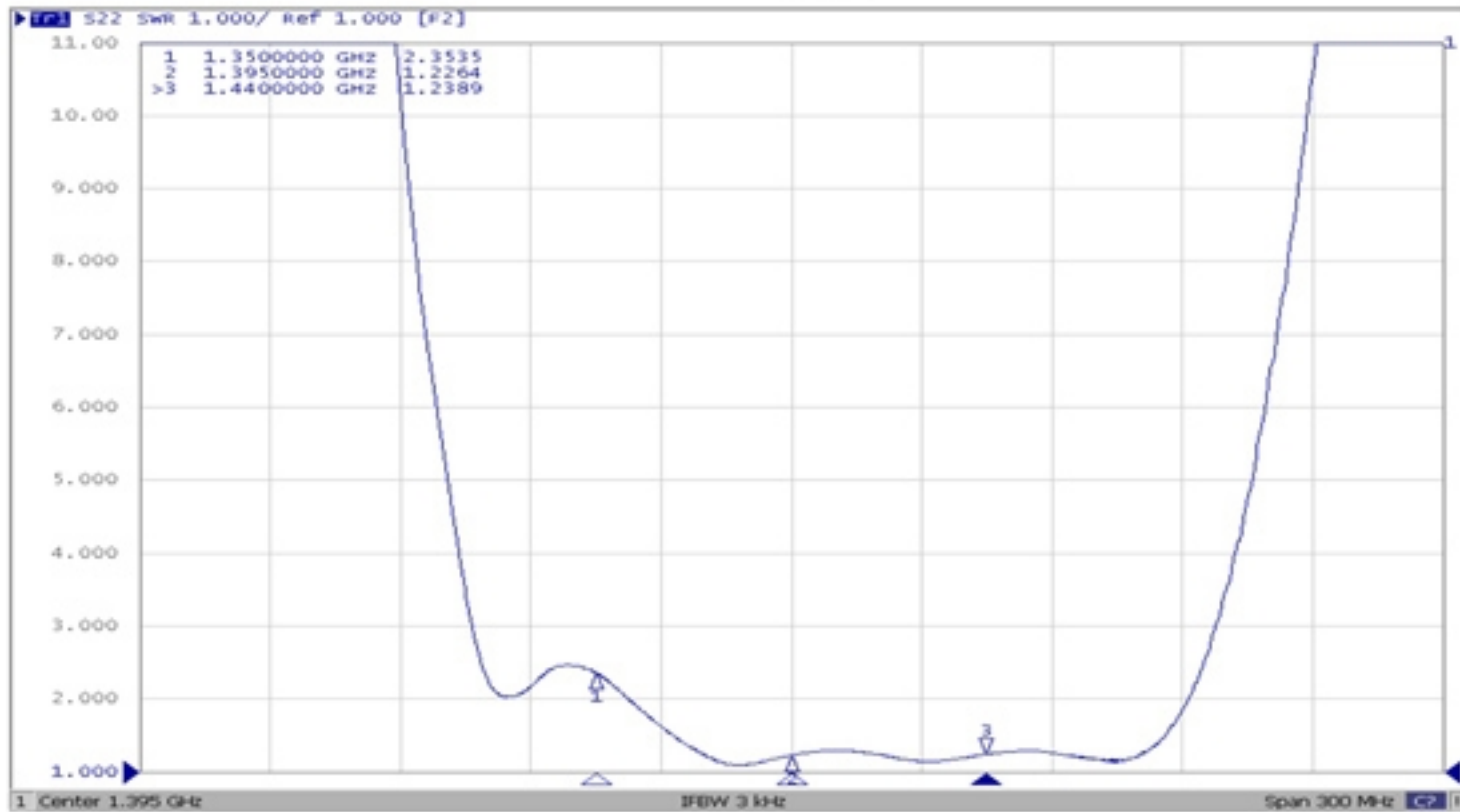


# Reflection Functions:

## S11



## S22







### 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.

