

## SAW Filter 717 MHz

MODEL NO.: TA2593A

Rev. NO. 1.0

### A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
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**)

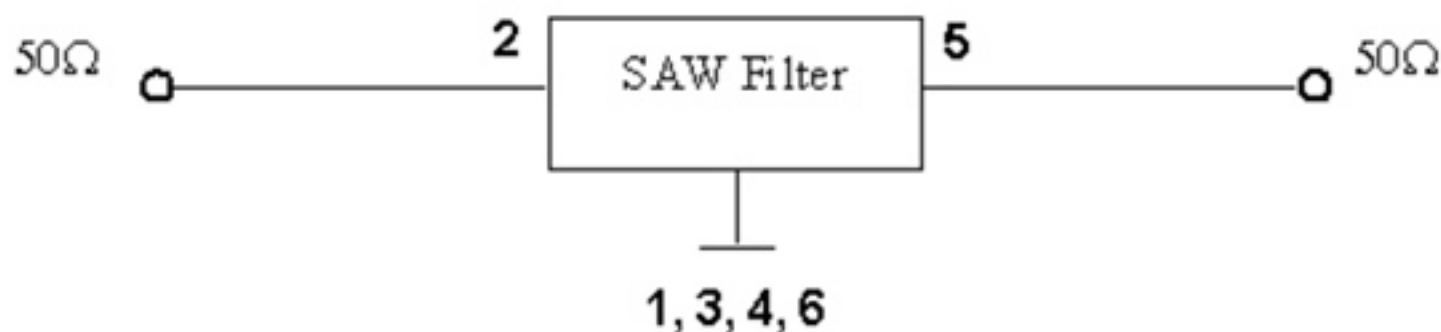
RoHS Compliant  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

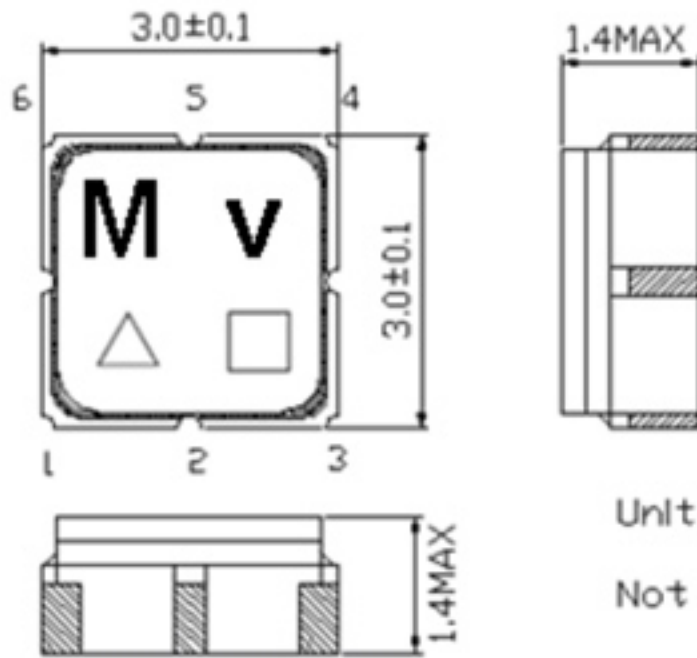
Item	Unit	Min.	Typ.	Max.
Center Frequency	MHz	-	717	-
Insertion loss (698 ~ 736 MHz)	dB		3.3	4.5
Return loss (698 ~ 736 MHz)	dB	10	12	
<b>Attenuation (Reference level from 0 dB)</b>				
10~640 MHz	dB	30	45	
820~1350 MHz	dB	30	45	-
Temperature Coefficient of Frequency	ppm/k	-	-75	-

### C. MEASUREMENT CIRCUIT:

HP Network analyzer

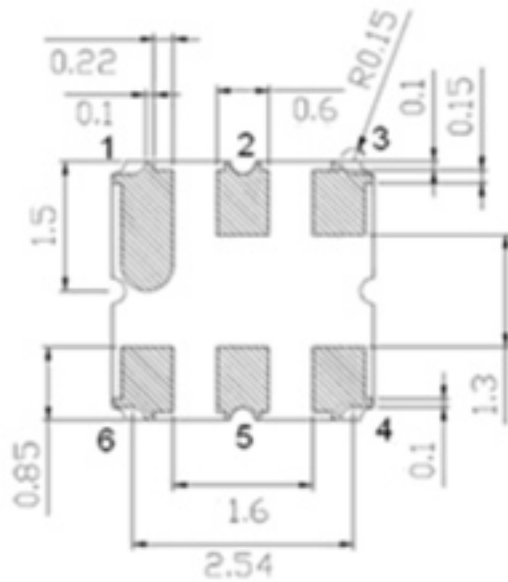


**D. OUTLINE DRAWING:**



Unit : mm

Not Specified Tolerance : +/-0.15 mm



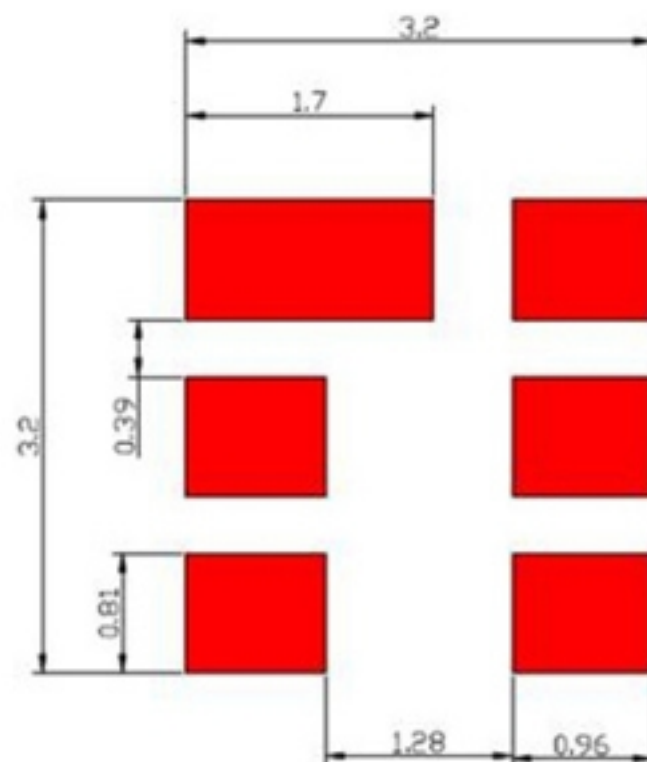
Pin No.	Symbol	Function
1	GND	Ground
2	IN	Input
3	GND	Ground
4	GND	Ground
5	OUT	Output
6	GND	Ground

△ : Year Code (2009->9, 2010->0,...., 2018->8)

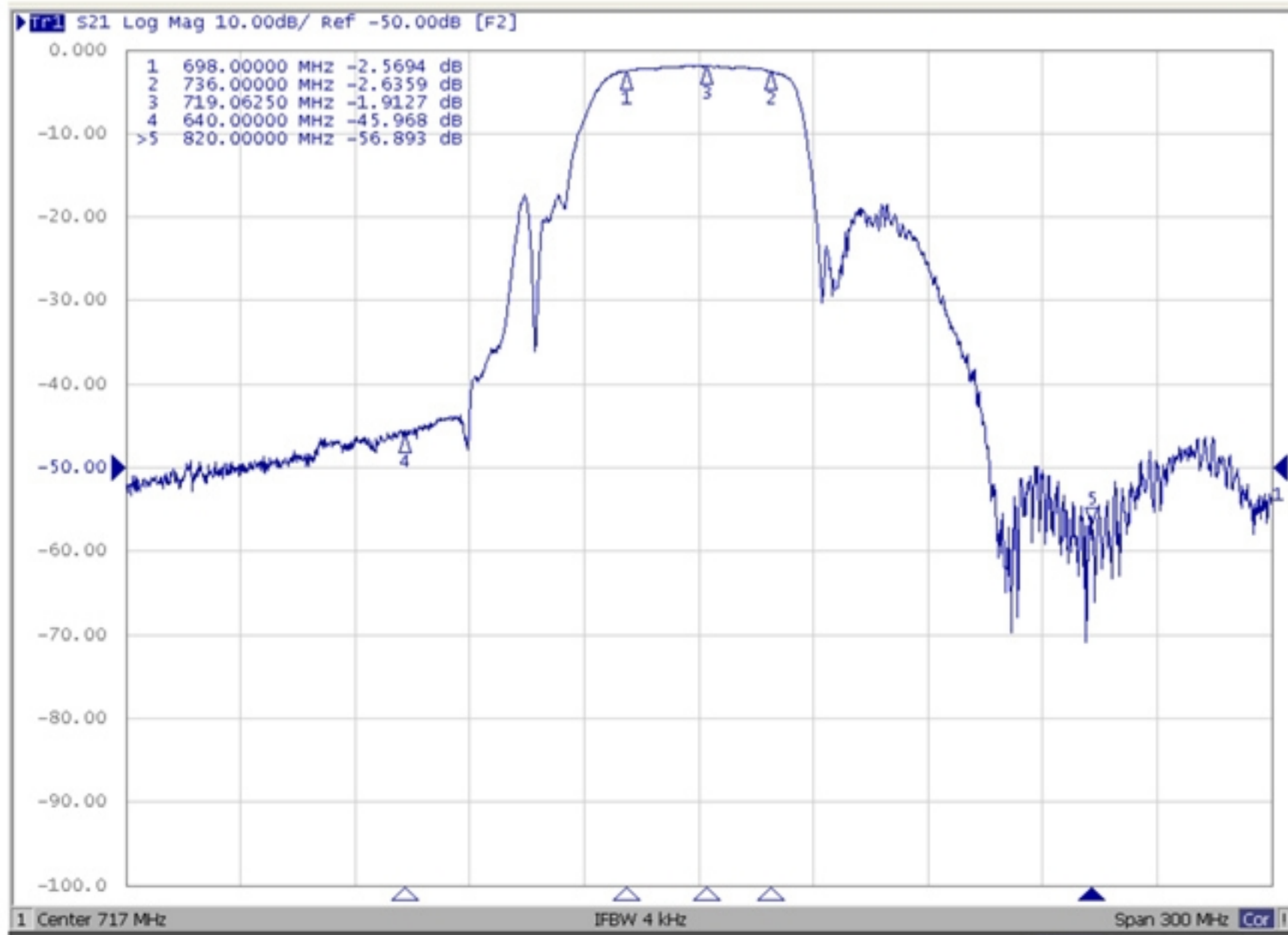
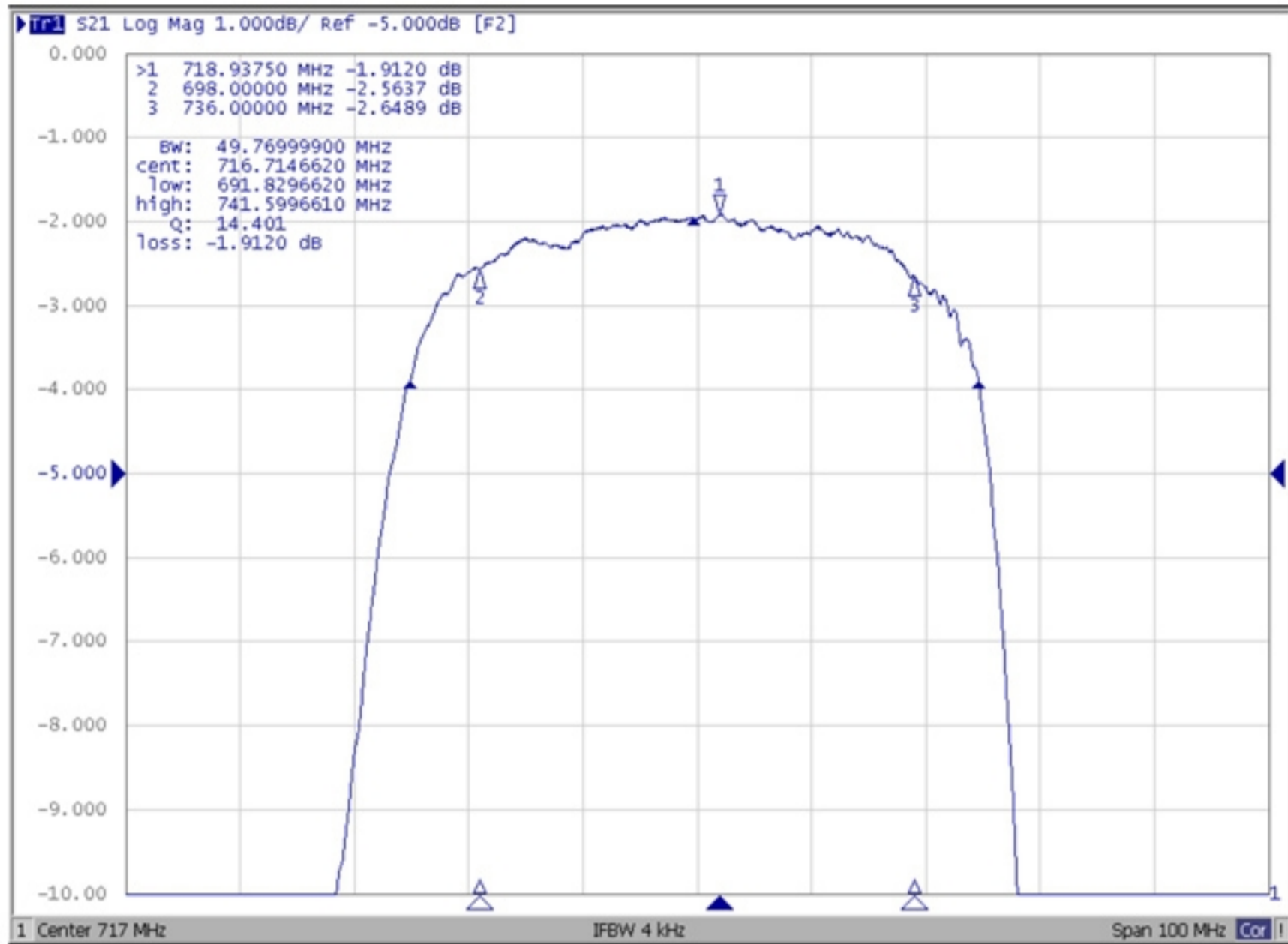
□ : Date Code (Follow the table from planner each year)

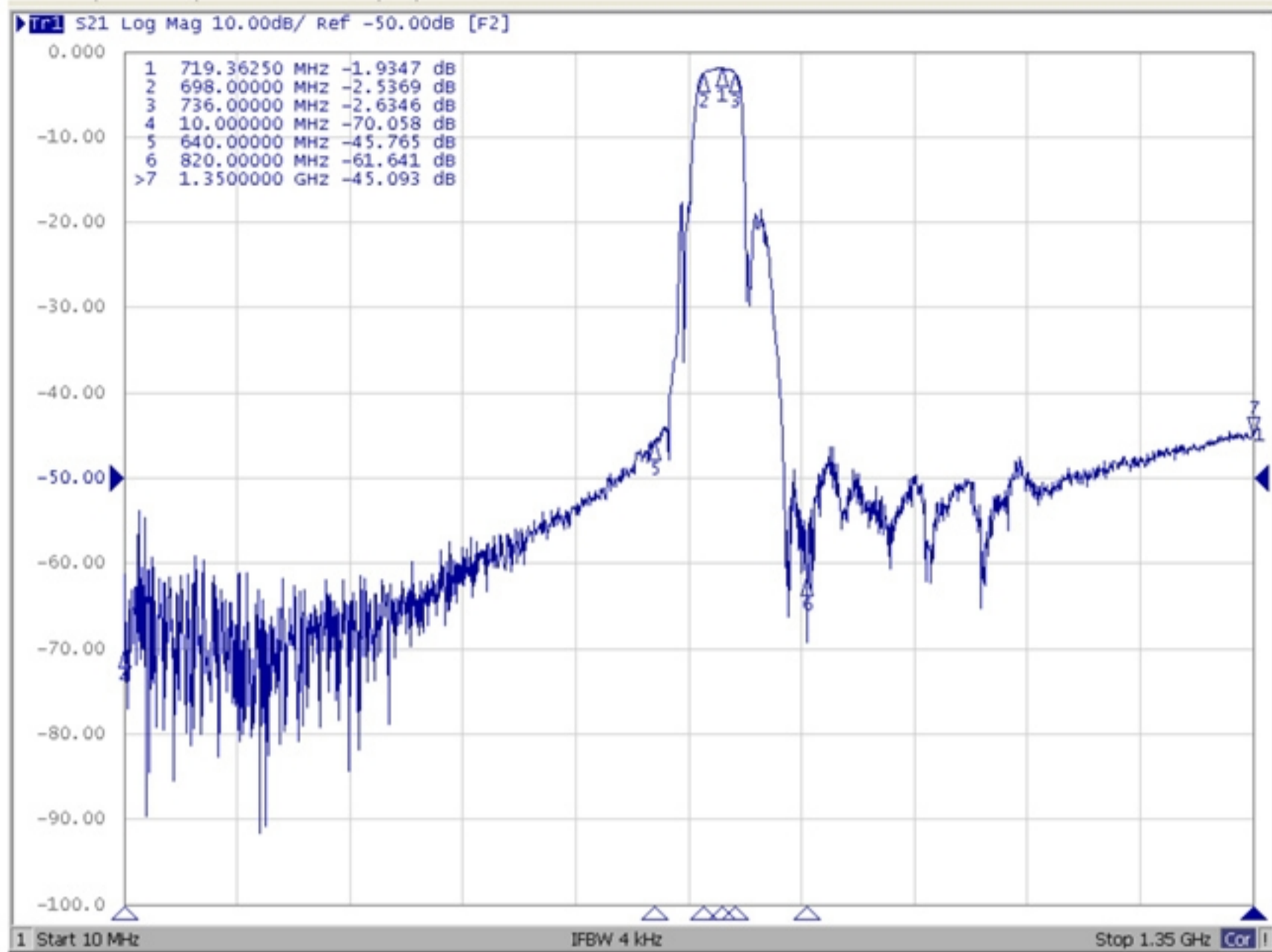
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

