

SAW Filter 654Hz

MODEL NO.: TA2425A

REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 20 dB_m(CW for 70000hrs at 25°C)
2. DC voltage: 5 V
3. Operating Temperature: -40°C to +105°C
4. Storage Temperature: -40°C to +105°C
5. Moisture Sensitivity Level: Level 1(**MSL1**)

RoHS Compliant
Lead free
Lead-free soldering

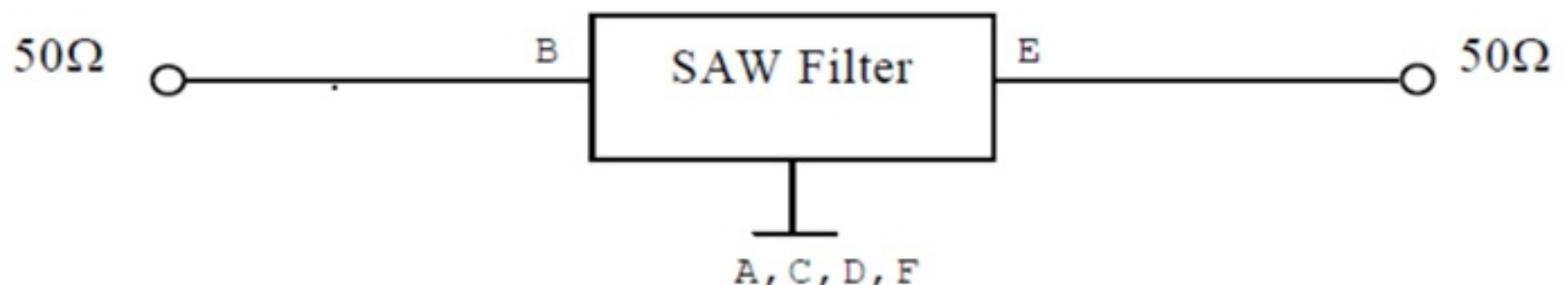
Electrostatic Sensitive Device (**ESD**)

B. ELECTRICAL CHARACTERISTICS:

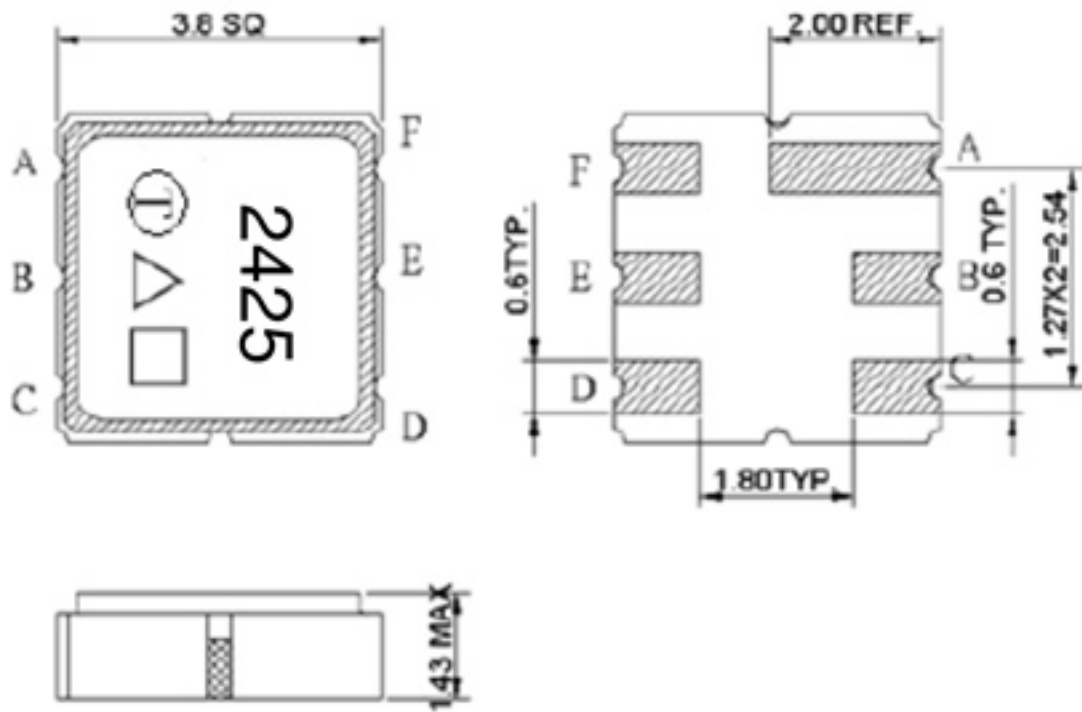
Item	Unit	min	type	Max	
Center Frequency Fc	MHz		654		
Insertion Loss 638~670MHz (0°C to +50°C)	dB		2.6	3.5	
Insertion Loss 638~670MHz (-40°C to +105°C)	dB		2.6	5	
Return Loss 638~670MHz (0°C to +50°C)	dB	12	16		
Pass band 638~670MHz	MHz	32	43		
Attenuation (Reference level from 0dB)					
10~430 MHz	dB	45	49		
430~580 MHz	dB	35	38		
740~1100 MHz	dB	35	38		
1100~1250 MHz	dB	32	34		
Temperature Coefficient of Frequency	ppm/°C	-75 typ			

C. MEASUREMENT CIRCUIT:

HP Network analyzer



D. OUTLINE DRAWING:

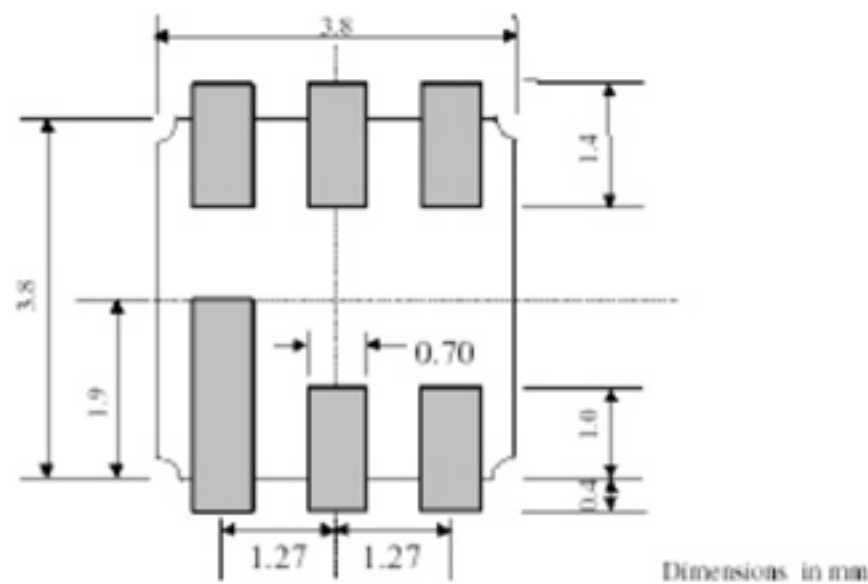


- B : Input
 - E: Output
 - A,C,D,F Ground
 - △:Year Code
 - : Date Code(Follow the table provided by planner each year.)
- Unit: mm

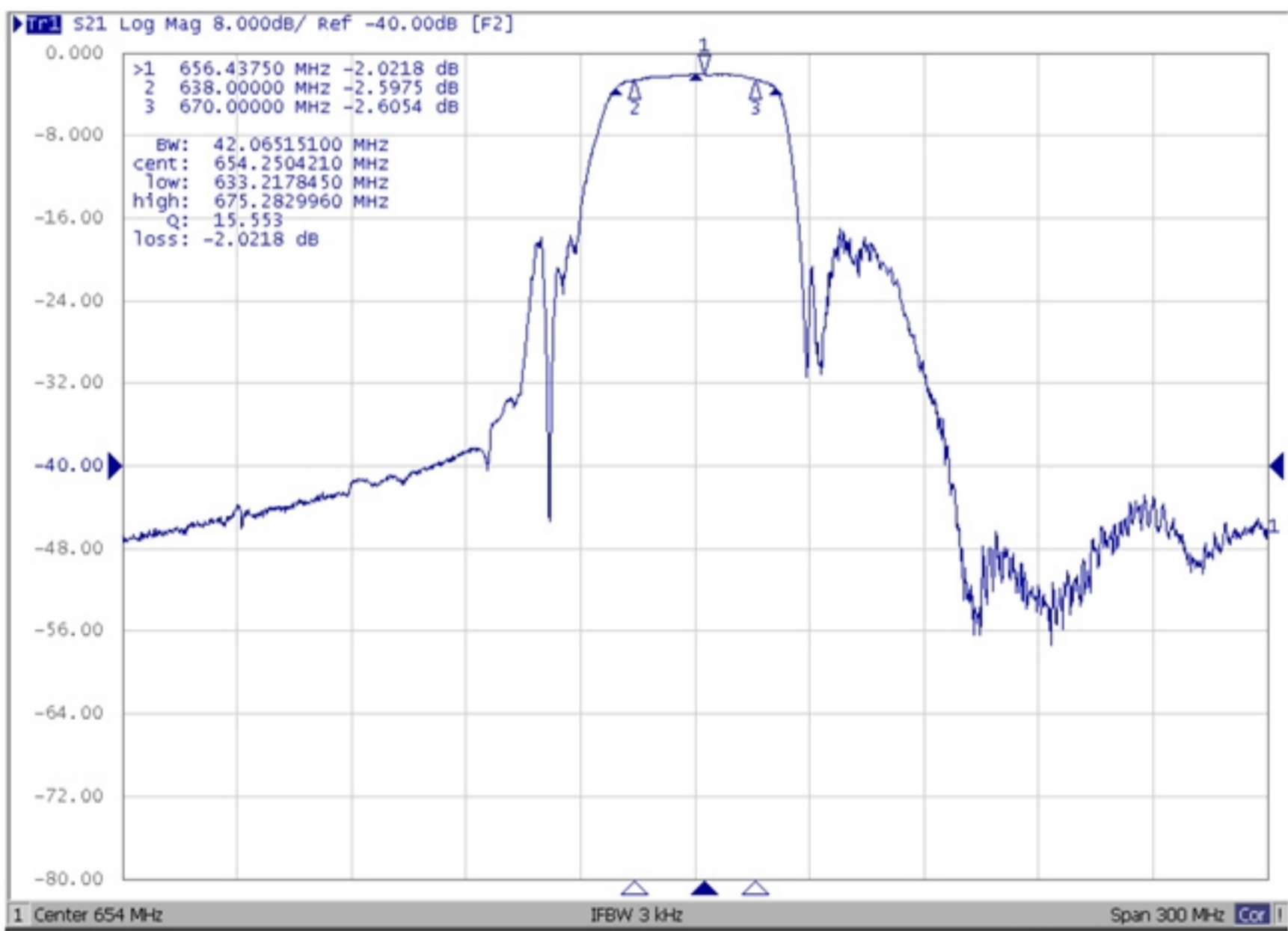
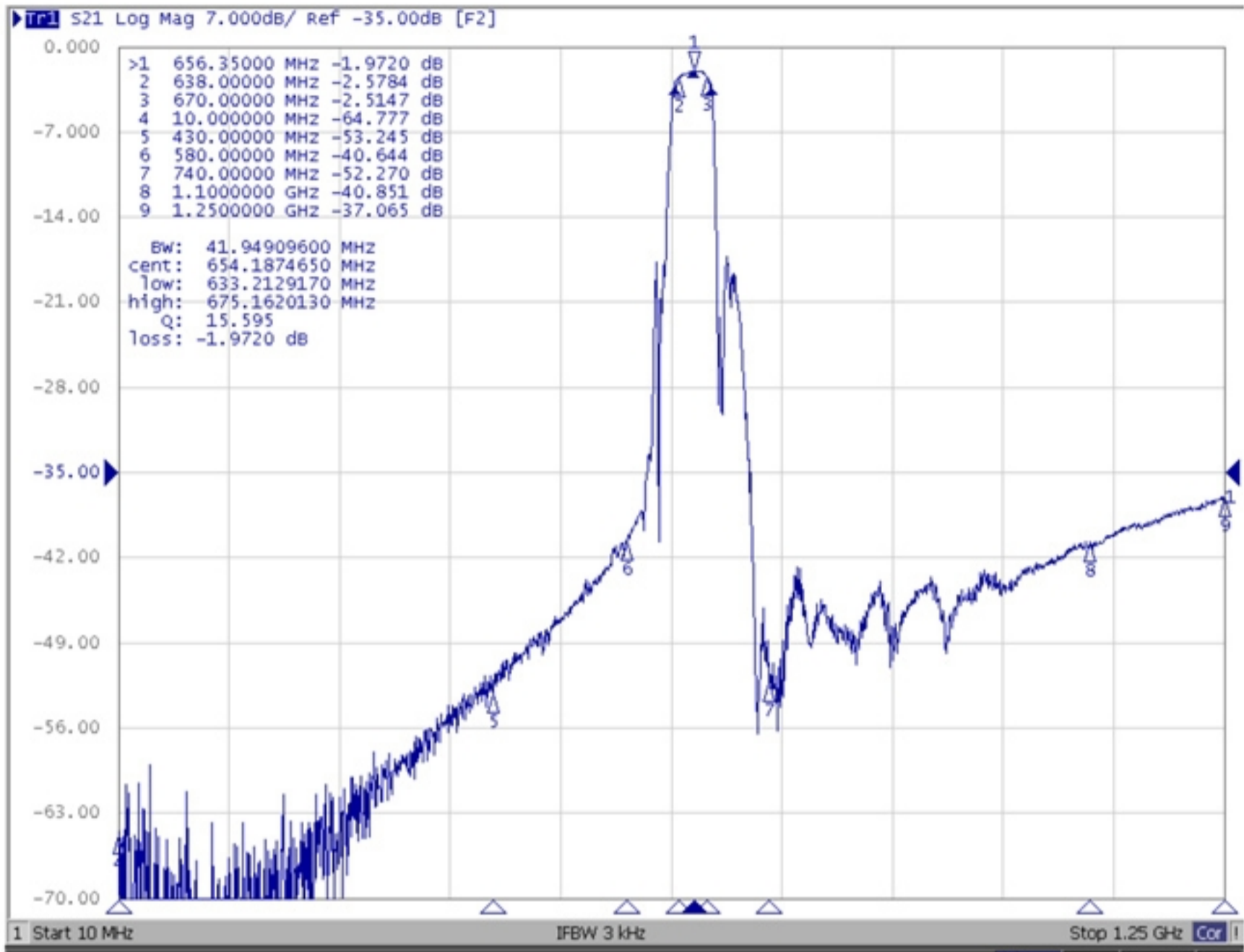
△ Product Year Code

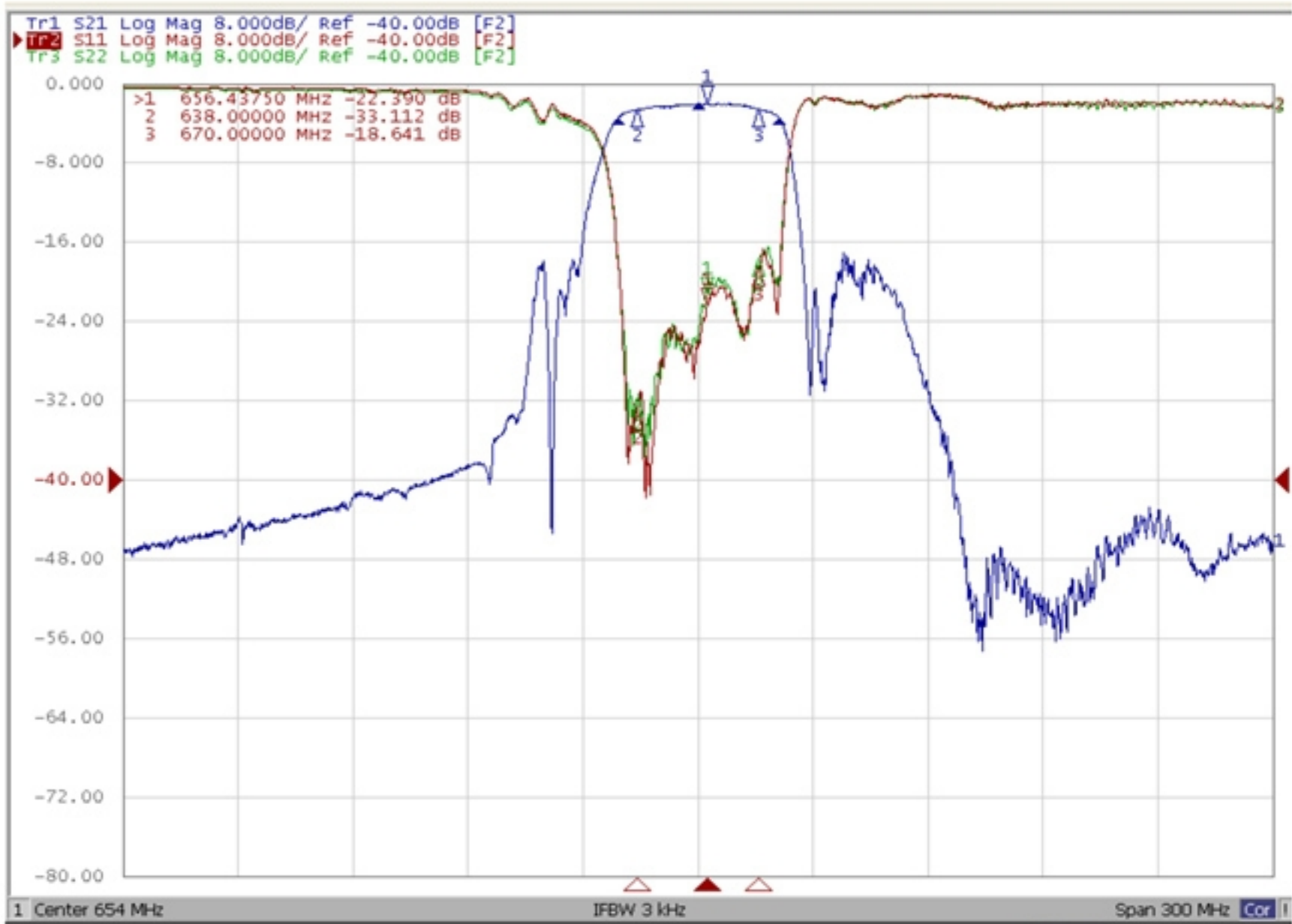
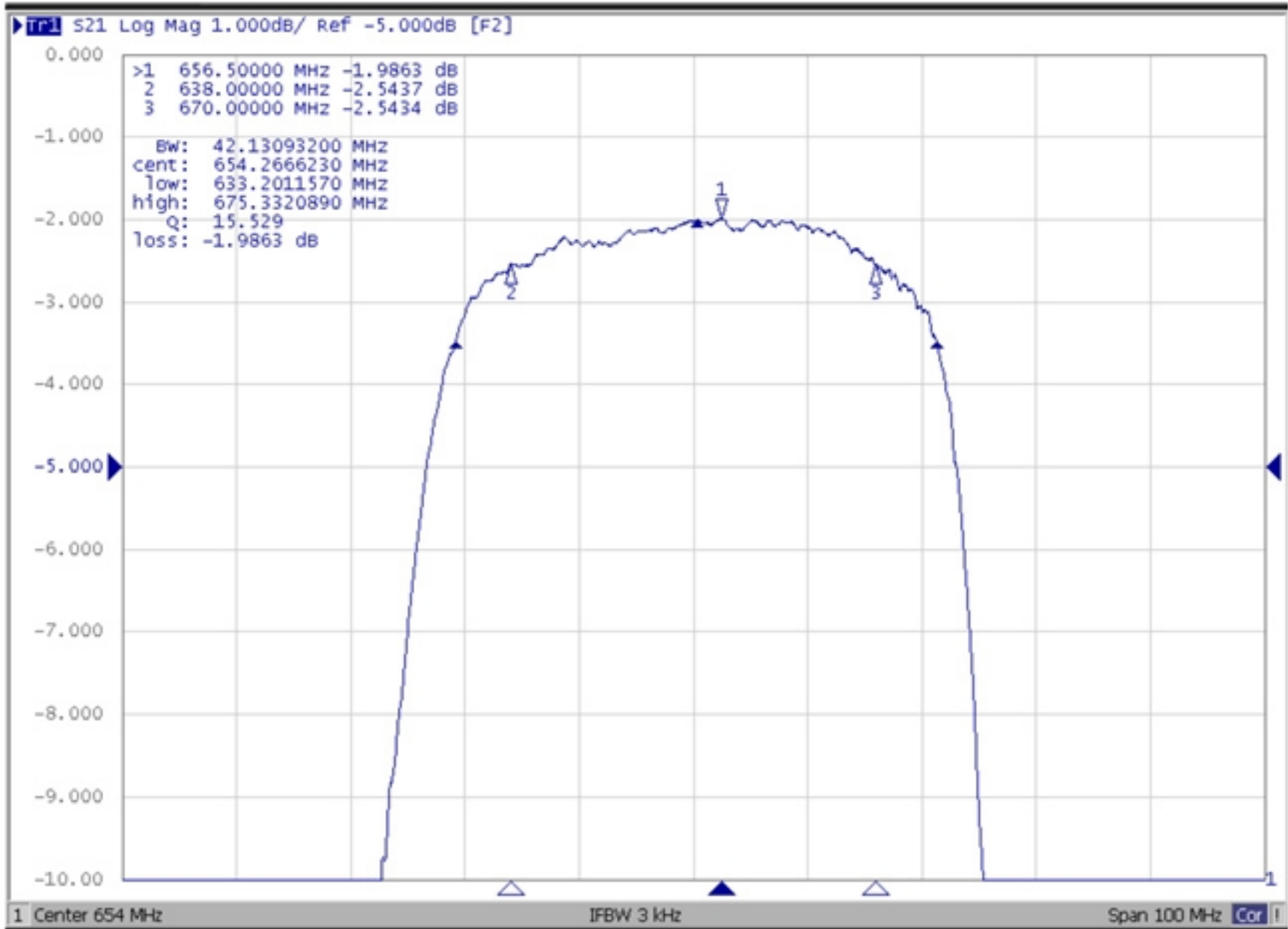
Year	2017	2018
	2019	2020
	2021	2022
	2023	2024
Product Code	A	a

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.

