

SAW Filter 506 MHz

MODEL NO.: TA2419A

REV. NO.:3

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

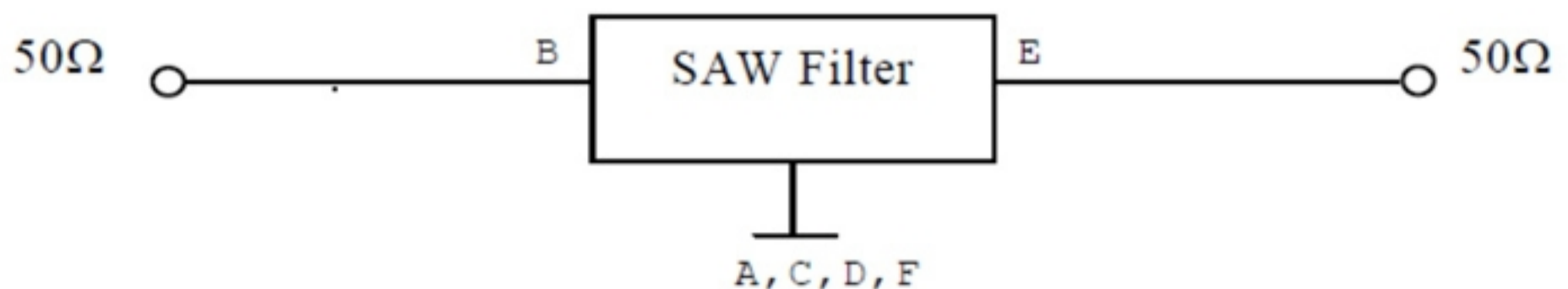
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

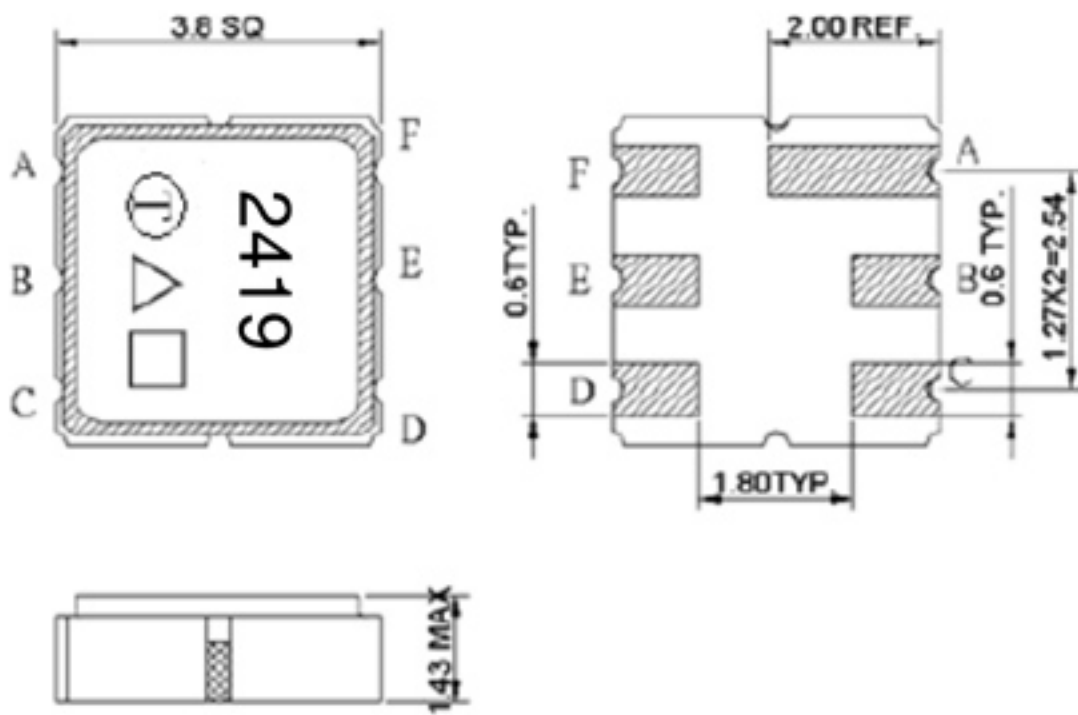
Item	Unit	min	type	Max	
Center Frequency Fc	MHz		506		
Insertion Loss 494~518MHz (0°C to +50°C)	dB		2.6	3.5	
Insertion Loss 494~518MHz (-40°C to +105°C)	dB		2.6	4.0	
Return Loss 494~518MHz (0°C to +50°C)	dB	12	14		
Pass band 494~518MHz	MHz	24	30		
Attenuation (Reference level from 0dB)					
10~340 MHz	dB	48	50		
340~460 MHz	dB	35	36		
574~800 MHz	dB	38	40		
800~1050 MHz	dB	32	34		
Temperature Coefficient of Frequency	ppm/°C	-75 typ			

C. MEASUREMENT CIRCUIT:

HP Network analyzer



D. OUTLINE DRAWING:

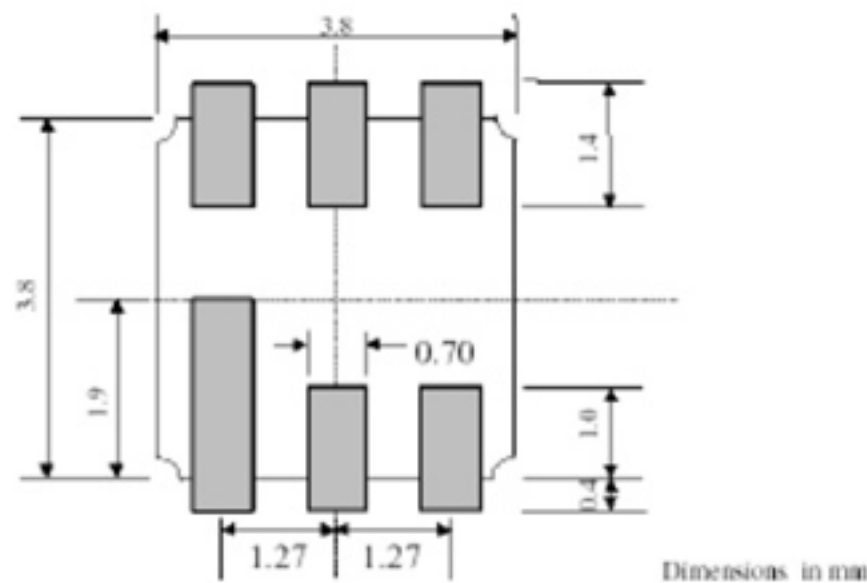


- B : Input
- E: Output
- A,C,D,F Ground
- △: Year Code
- : Date Code(Follow the table provided by planner each year.)
- Unit: mm

△ Product Year Code

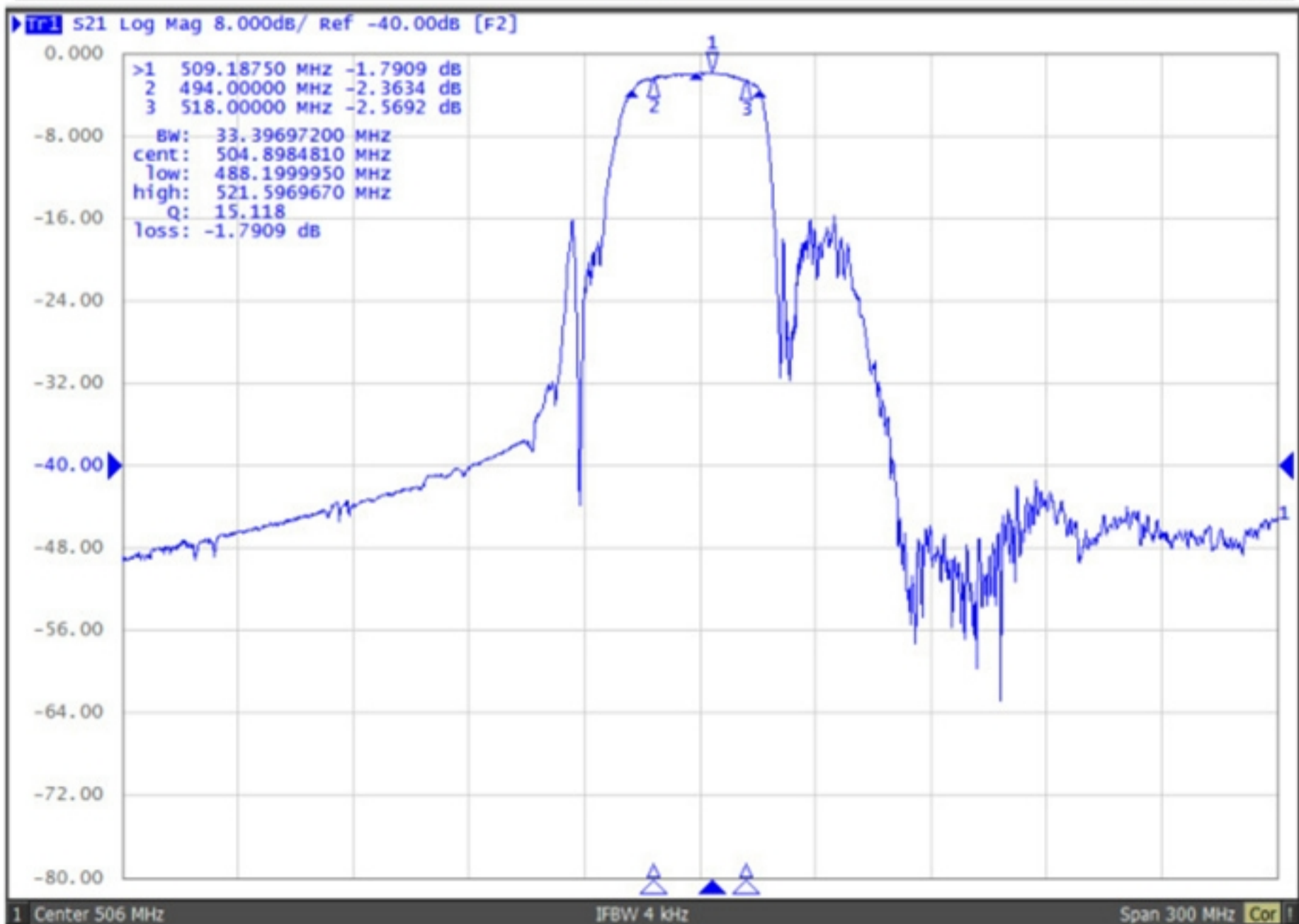
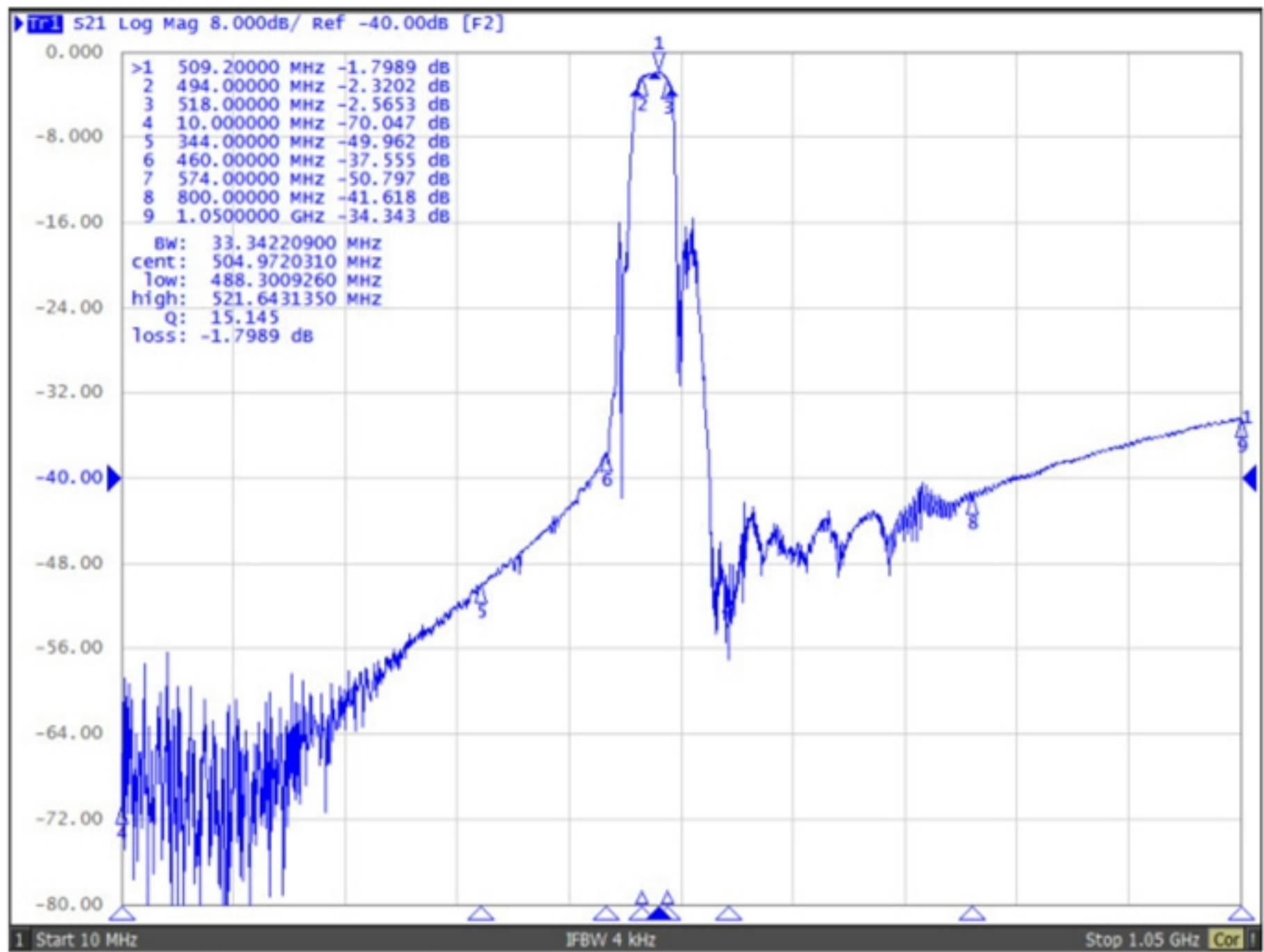
Year	2017	2018
	2019	2020
	2021	2022
	2023	2024
	Product Code	A

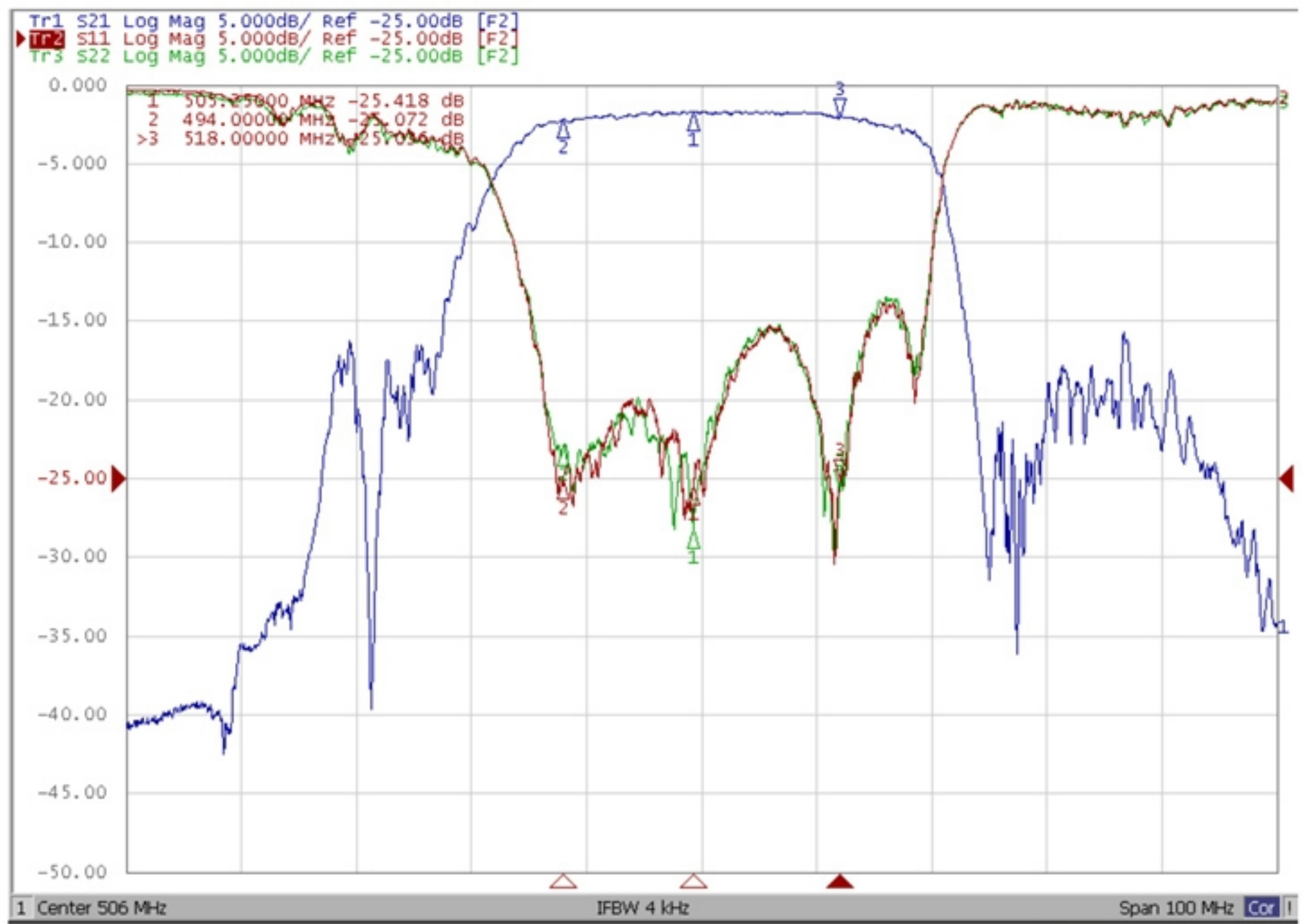
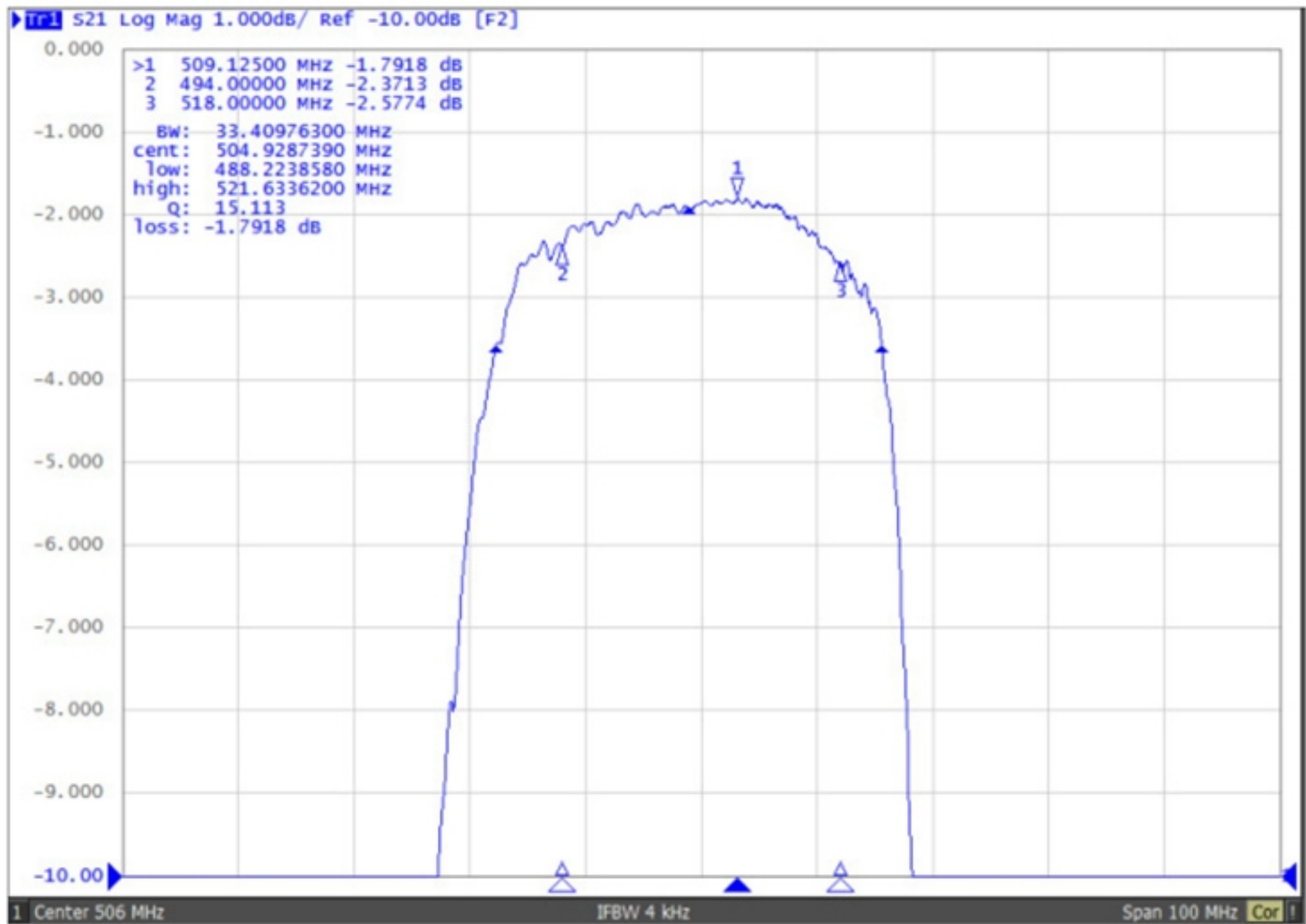
E. PCB Footprint:



Dimensions in mm

F. Frequency Characteristics:

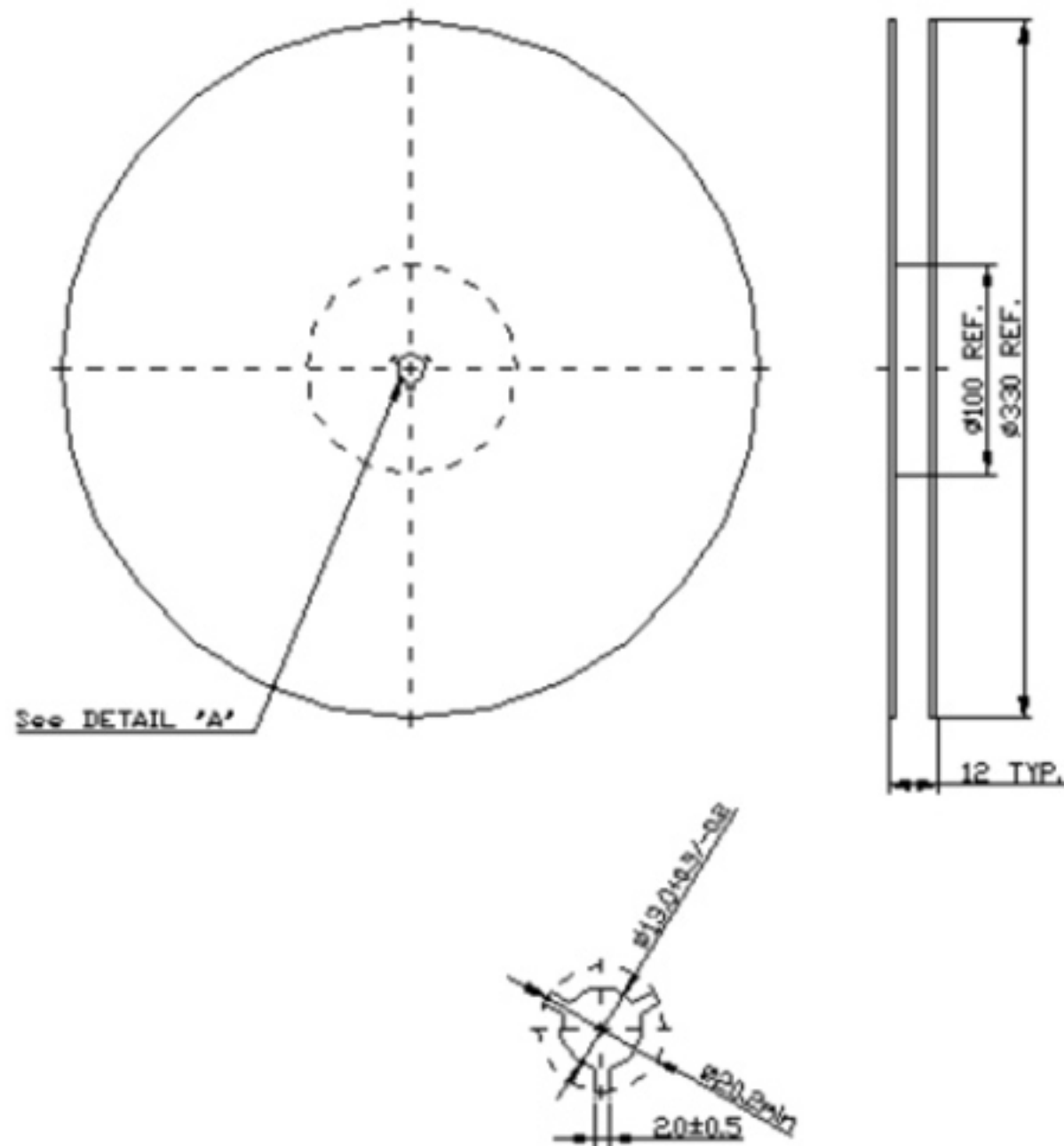




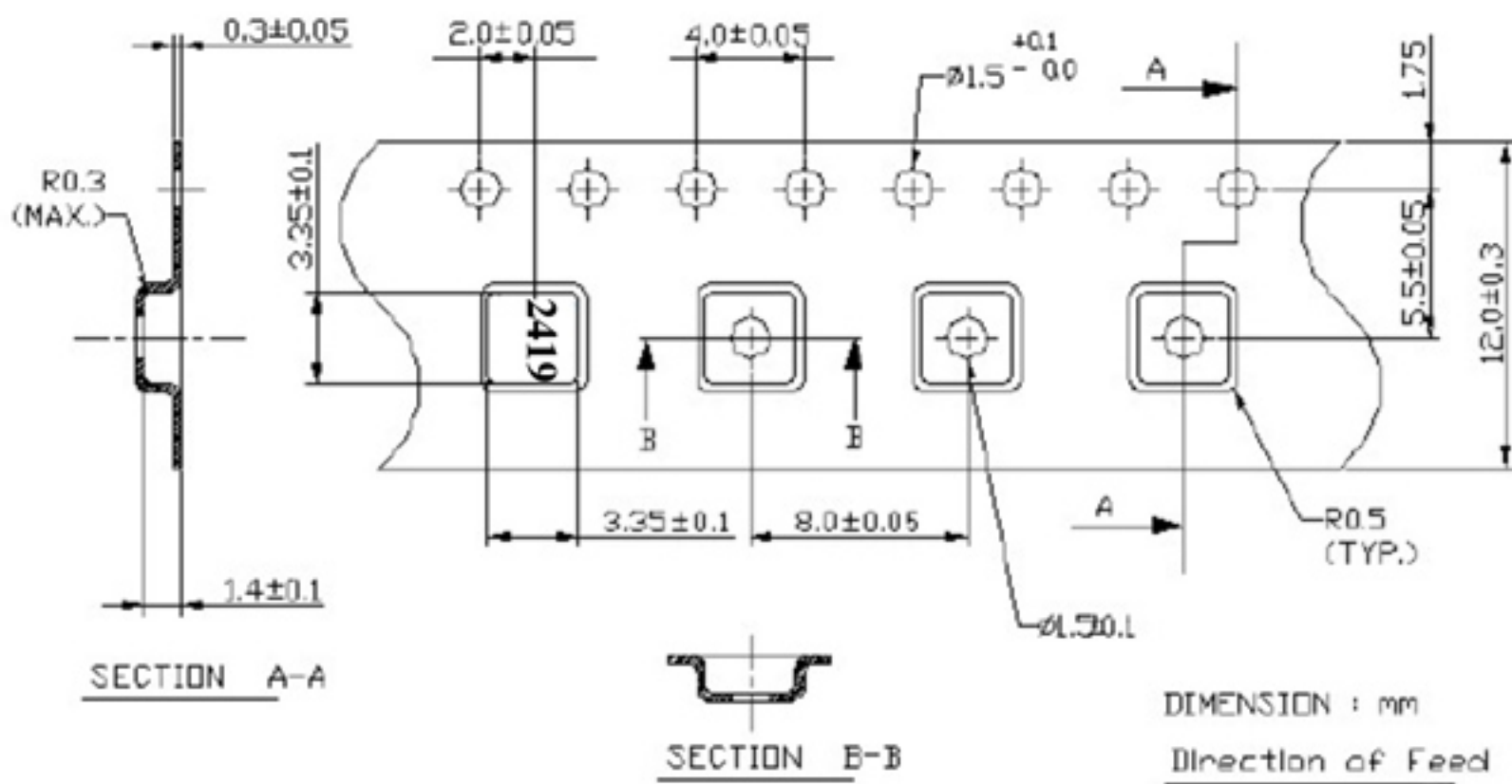
G. PACKING: (Ref. WI-75M03)

1. REEL DIMENSION

(Please refer to FR-75D10 for packing quantity)



2. TAPE DIMENSION



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.

