

# SAW Filter 482 MHz

MODEL NO.: TA2418A

REV. NO.:3

## A. MAXIMUM RATING:

1. Input Power Level: 20 dB<sub>m</sub>(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

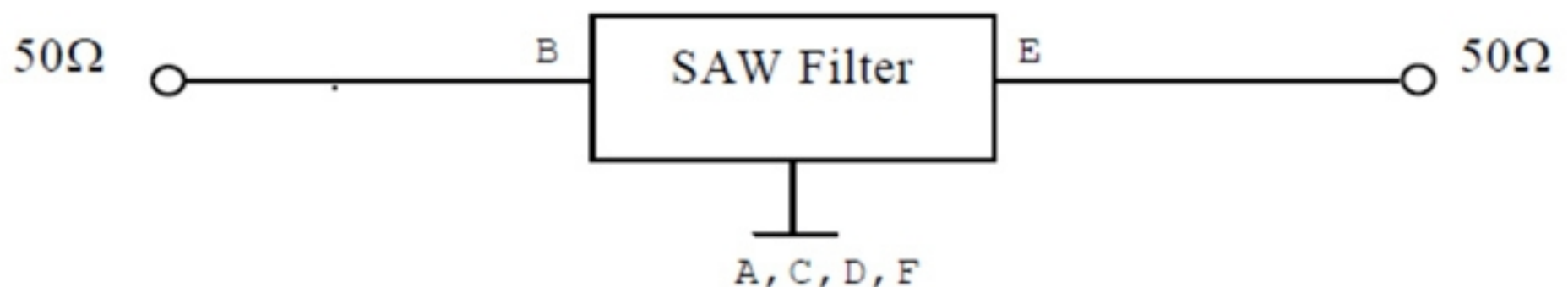
Electrostatic Sensitive Device (ESD)

## B. ELECTRICAL CHARACTERISTICS:

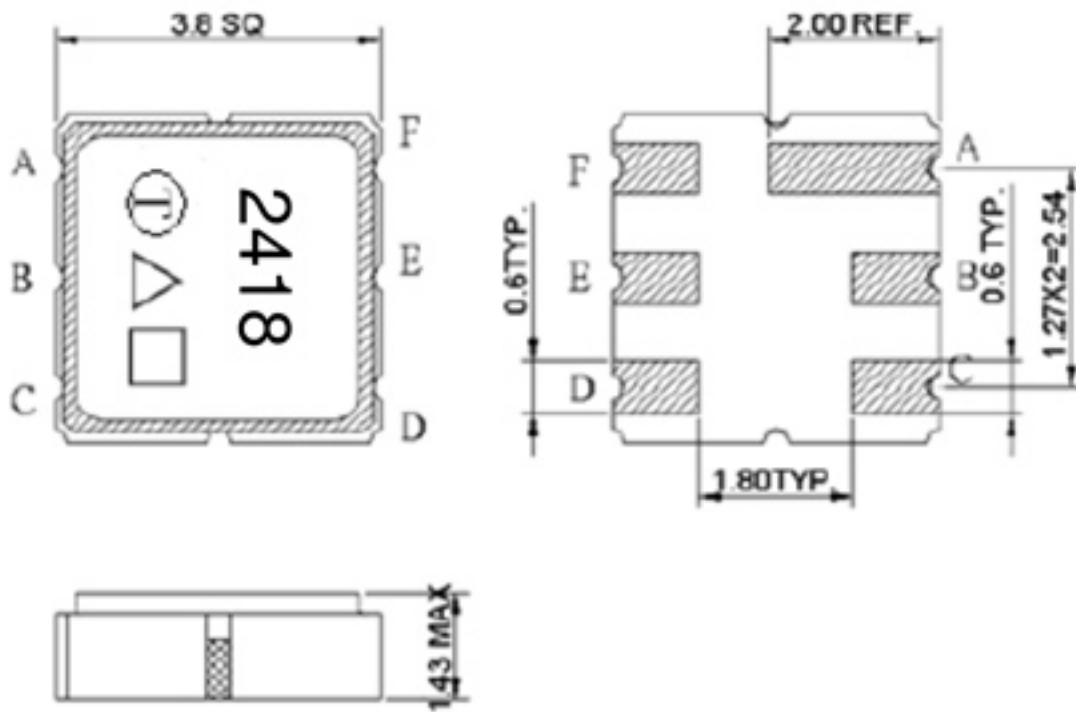
Item	Unit	min	type	Max
Center Frequency Fc	MHz		482	
Insertion Loss 470~494MHz (0°C to +50°C)	dB		2.4	3.5
Insertion Loss 470~494MHz (-40°C to +105°C)	dB		2.4	4.0
Return Loss 470~494MHz (0°C to +50°C)	dB	12	16	
Passband 470~494MHz	MHz	24	30	
<b>Attenuation</b> (Reference level from 0dB)				
10~320 MHz	dB	48	51	
550~750 MHz	dB	38	40	
750~1000 MHz	dB	32	35	
Temperature Coefficient of Frequency	ppm/°C	-75 typ		

## C. MEASUREMENT CIRCUIT:

HP Network analyzer



**D. OUTLINE DRAWING:**

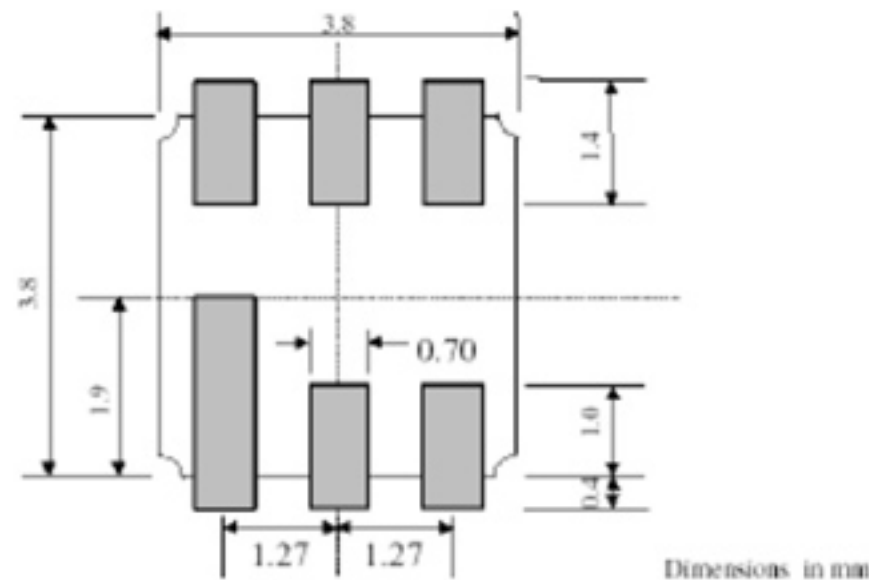


- B : Input
  - E: Output
  - A,C,D,F Ground
  - △:Year Code
  - : Date Code(Follow the table provided by planner each year.)
- Unit mm

△ Product Year Code

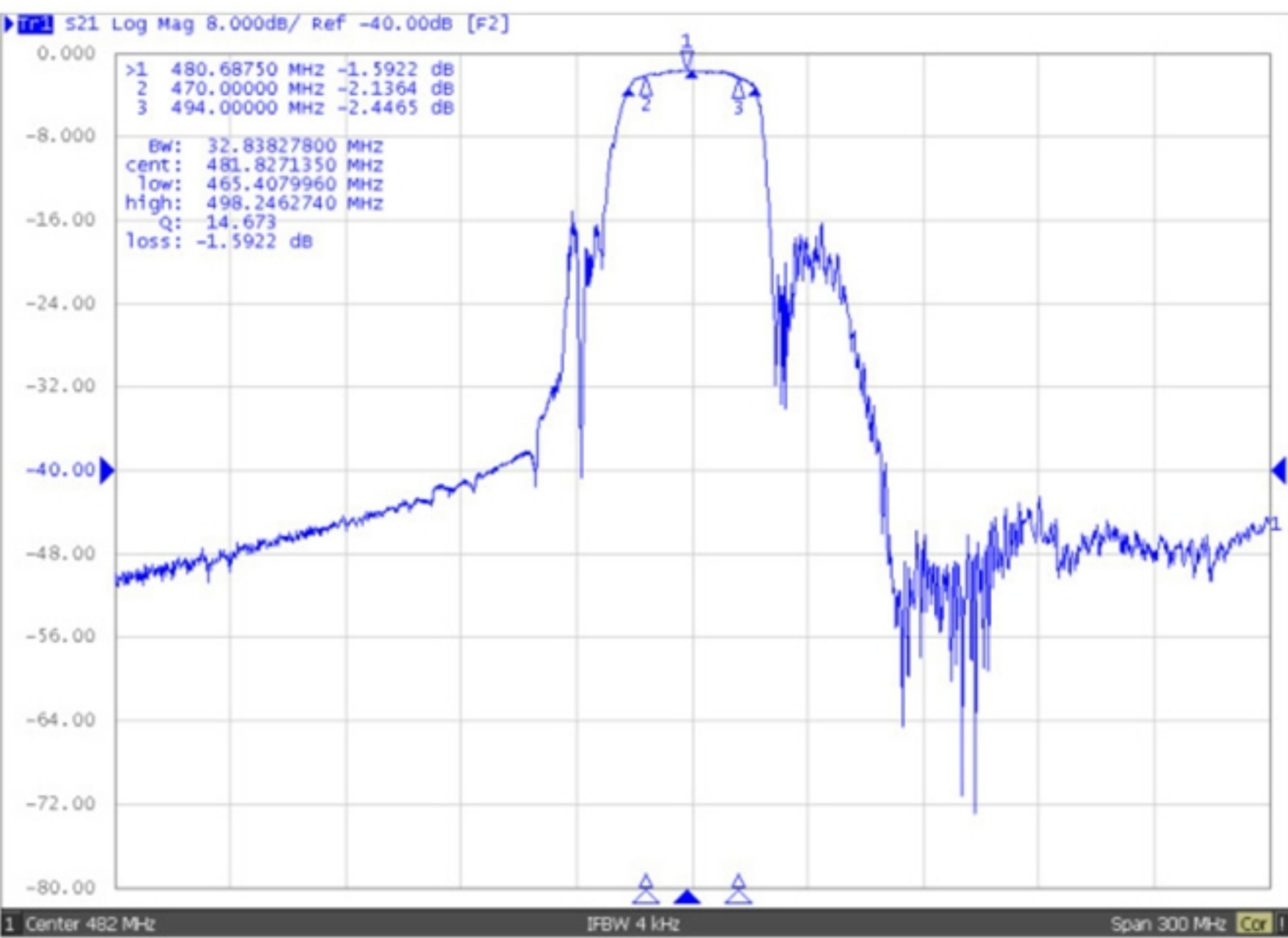
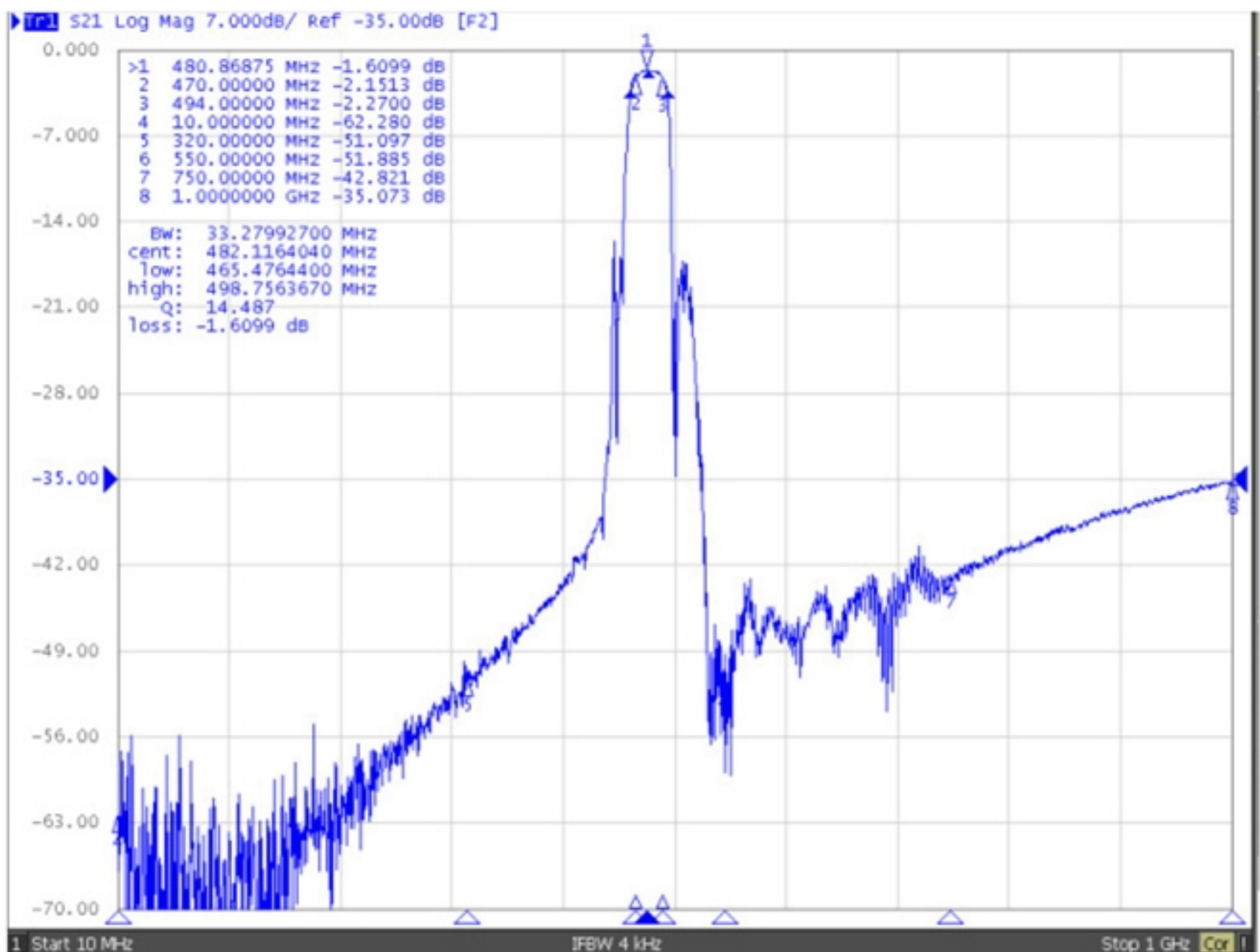
Year	2017	2018
	2019	2020
	2021	2022
	2023	2024
Product Code	A	a

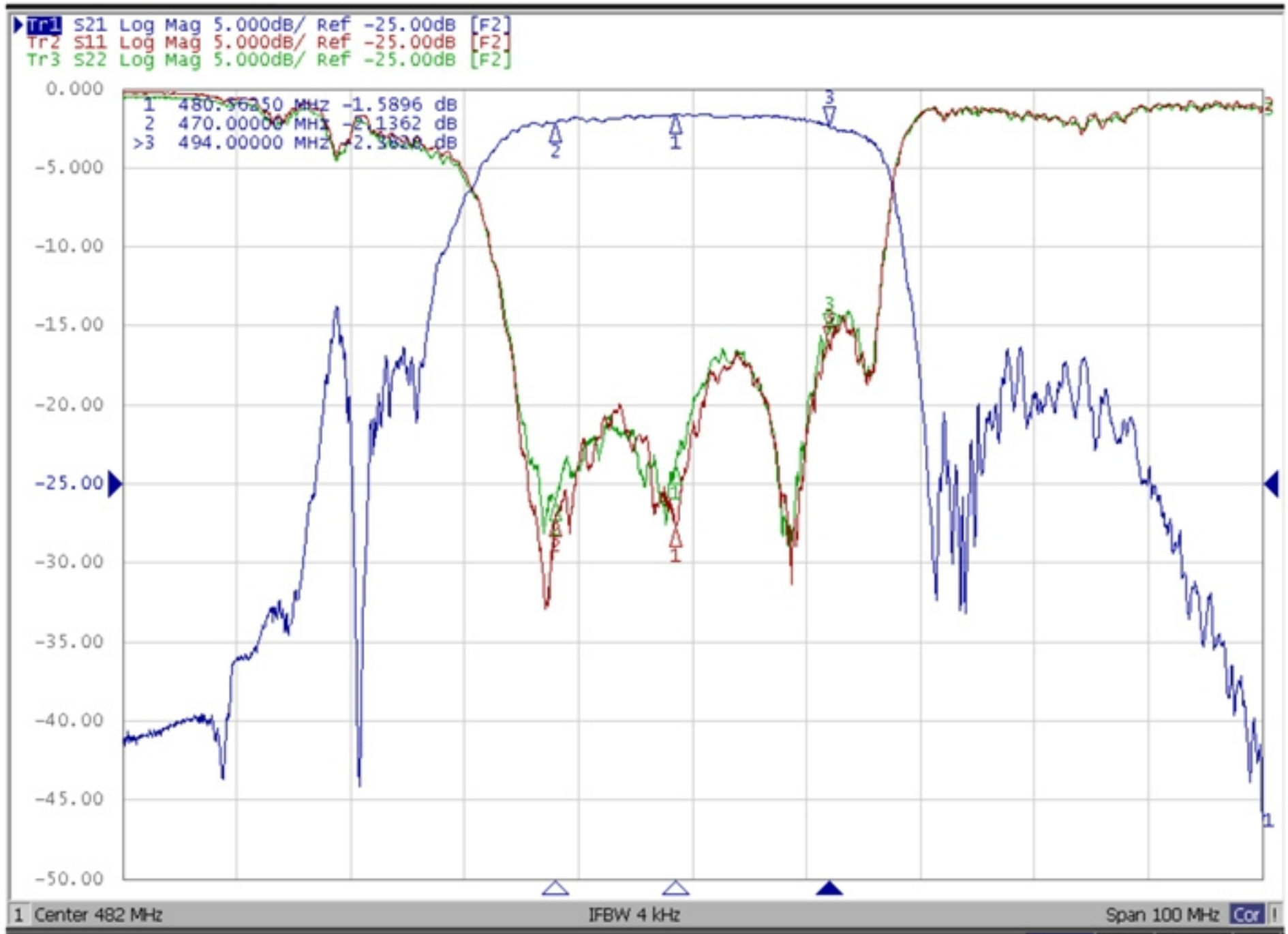
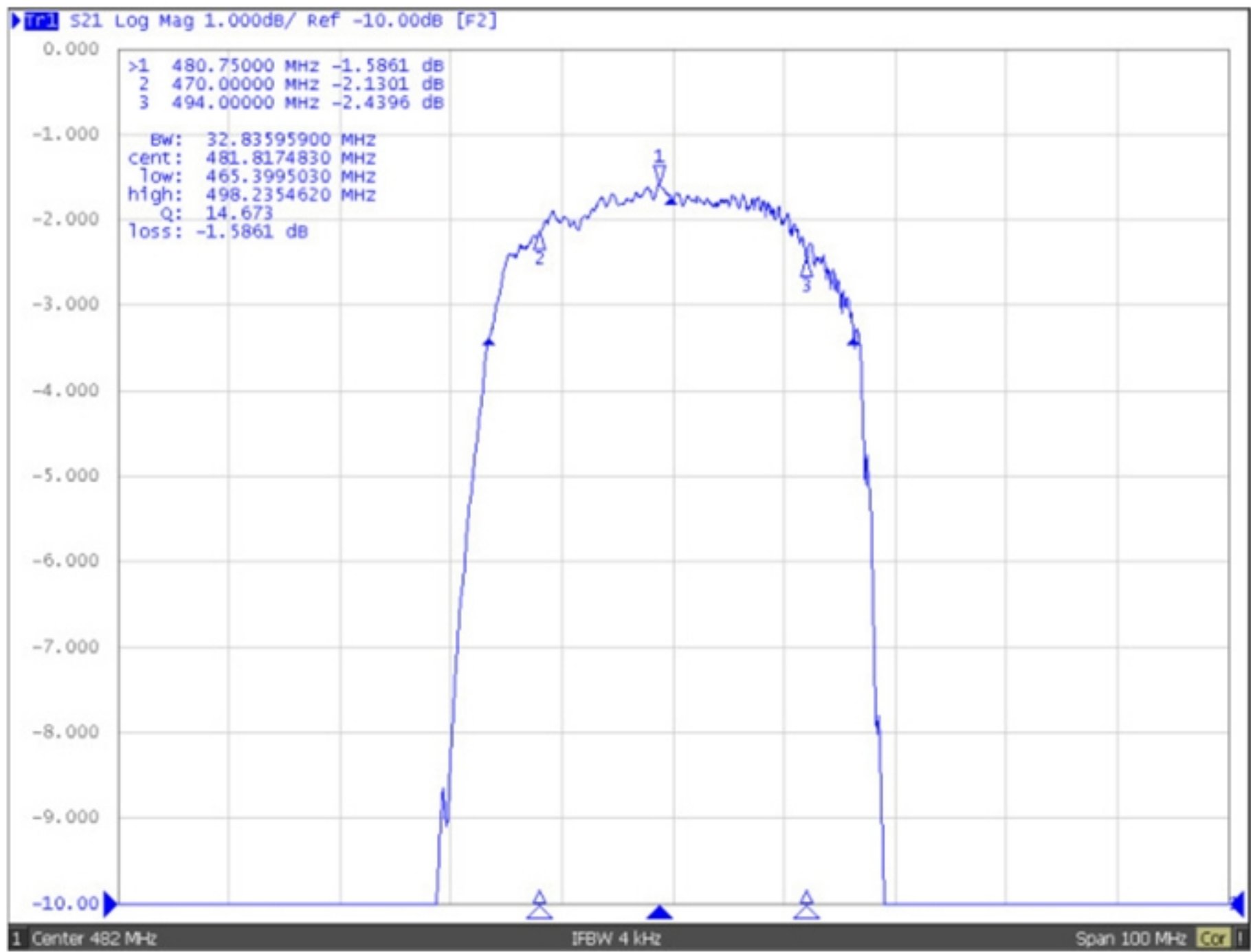
**E. PCB Footprint:**



Dimensions in mm

## F. Frequency Characteristics:



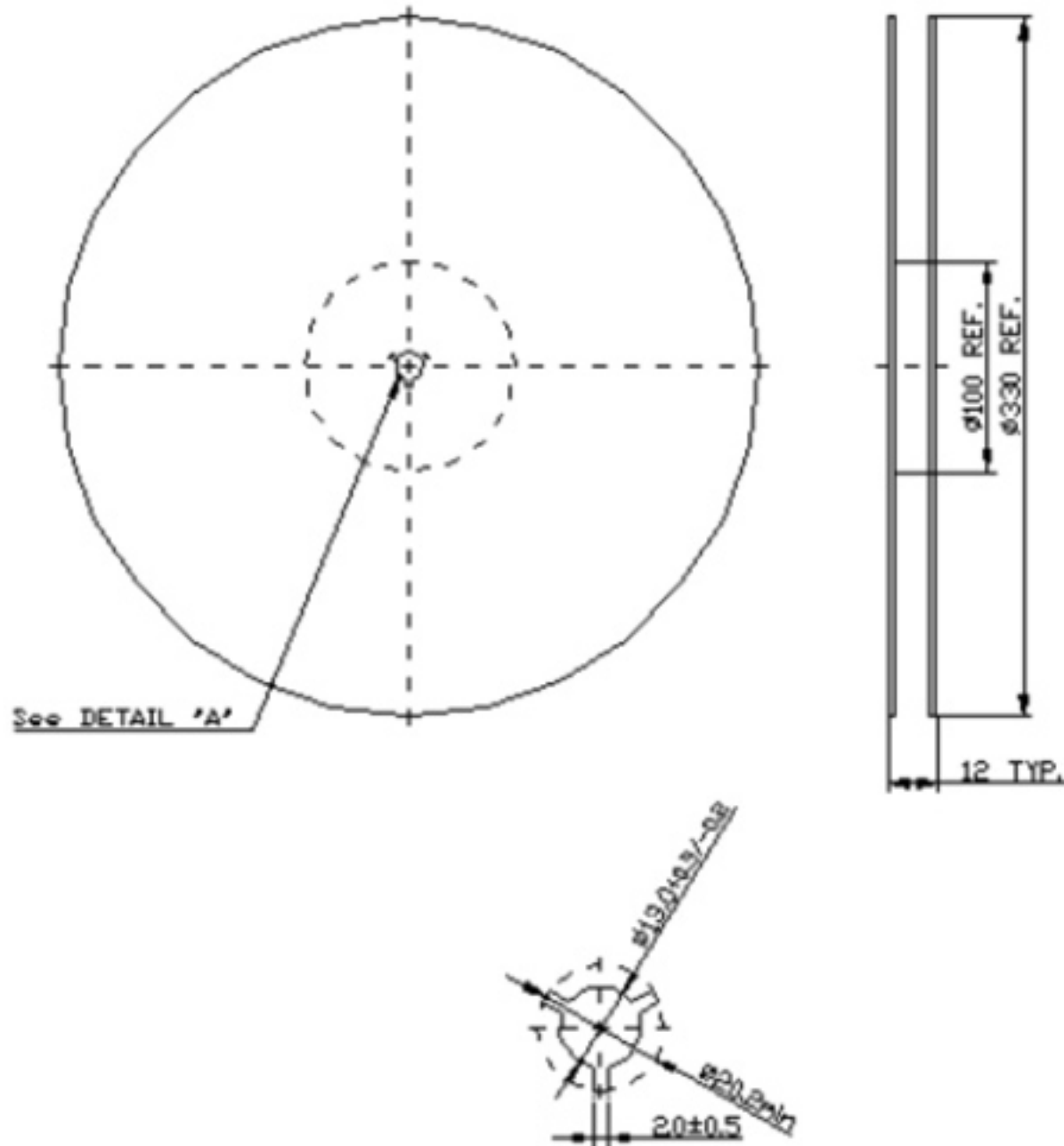




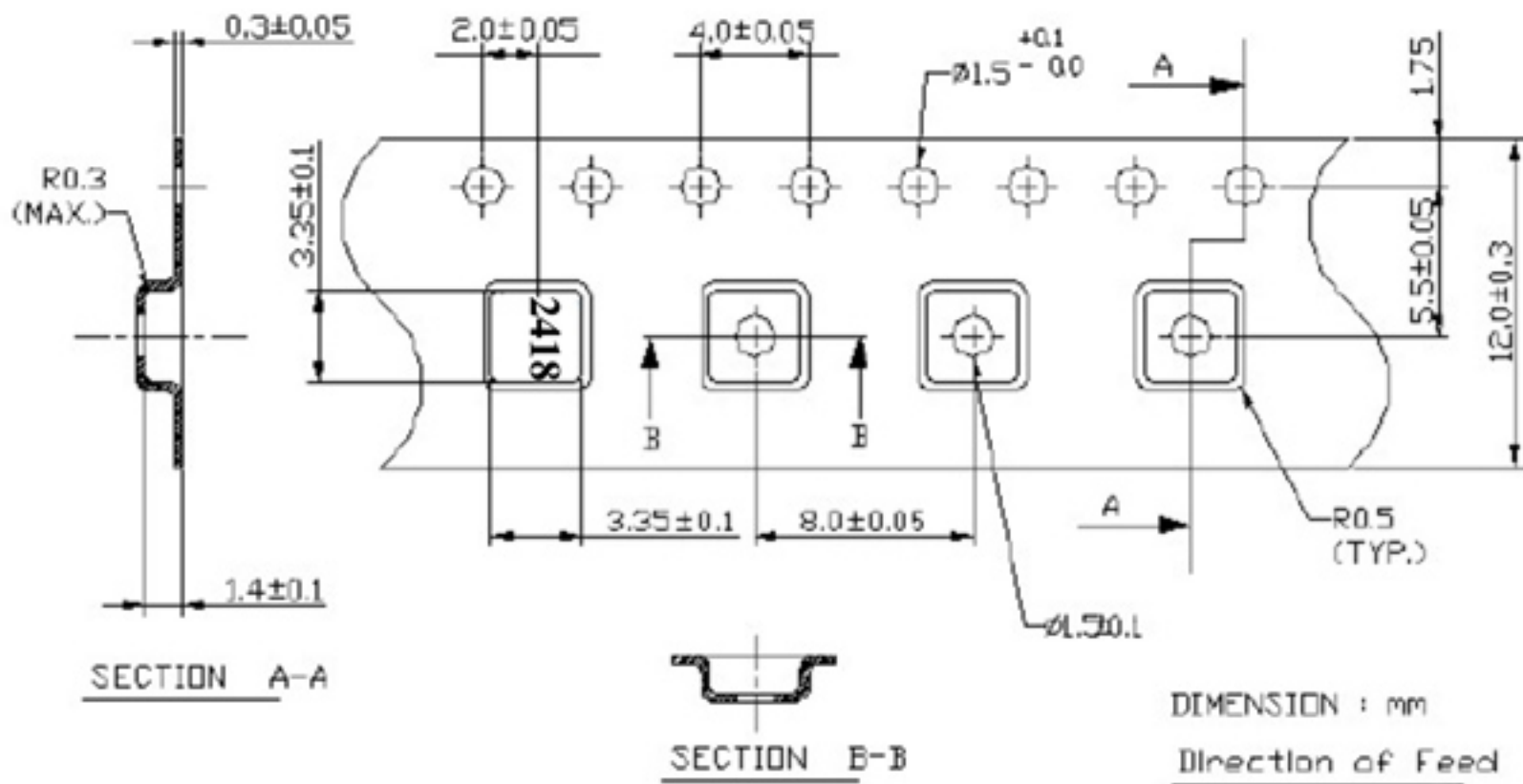
**G. PACKING: (Ref. WI-75M03)**

**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.

