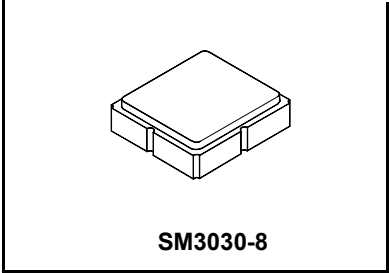


**SF2398E-1**

**1890 MHz  
SAW Filter**



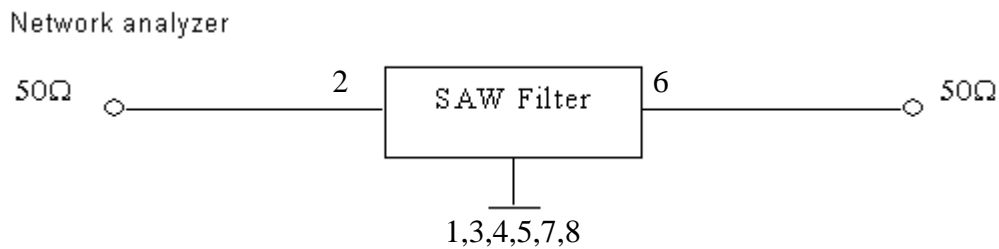
**MAXIMUM RATING:**

- Input Power Level: 15 dBm
- DC Voltage : 3V
- Operating Temperature: 25°C
- Storage Temperature: -20°C to +85°C
- Moisture Sensitivity Level: 1

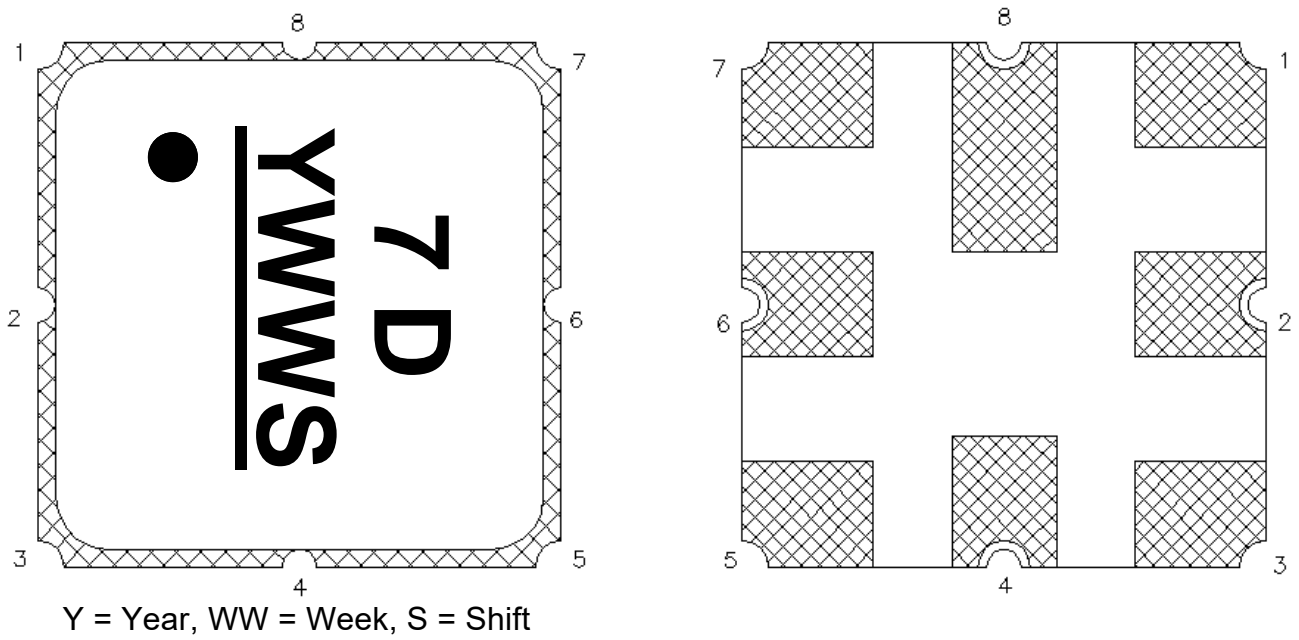
**ELECTRICAL CHARACTERISTICS:**

| Item   | Unit | Min | Typical | Max |
|--|------|-----|---------|-----|
| Center Frequency Fc                              | MHz  |     | 1890    |     |
| Insertion Loss (1860~1920 MHz)                   | dB   | --  |         | 4   |
| Bandwidth(1dB)                                   | MHz  | 60  |         | --  |
| Amplitude Ripple (1860~1920 MHz)                 | dB   | --  |         | 2.5 |
| <b>Attenuation (Reference level from fc, dB)</b> |      |     |         |     |
| 10 ~ 1800 MHz                                    | dB   | 33  |         | --  |
| 1800 ~ 1820 MHz                                  | dB   | 30  |         | --  |
| 1960 ~ 3000 MHz                                  | dB   | 30  |         | --  |
| 3000 ~ 3700 MHz                                  | dB   | 23  |         | --  |
| 3700 ~ 4500 MHz                                  | dB   | 13  |         | --  |
| Input / Output Impedance                         | Ω    | 50  |         |     |

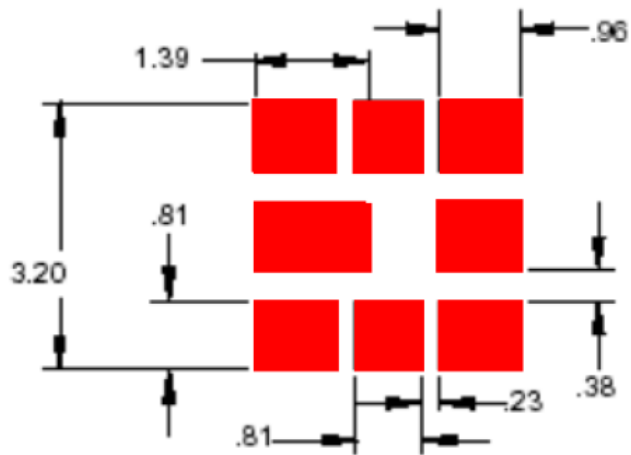
**Measurement Circuit:**



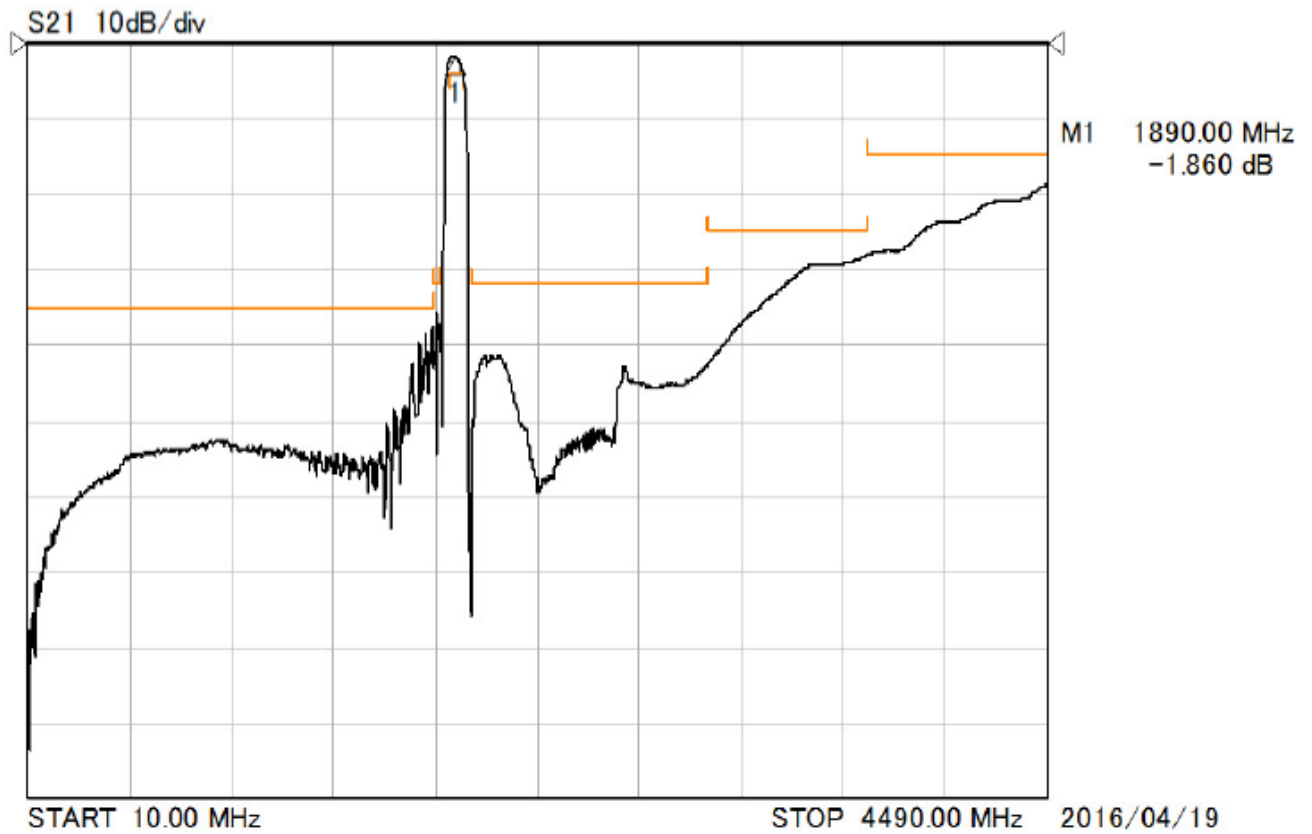
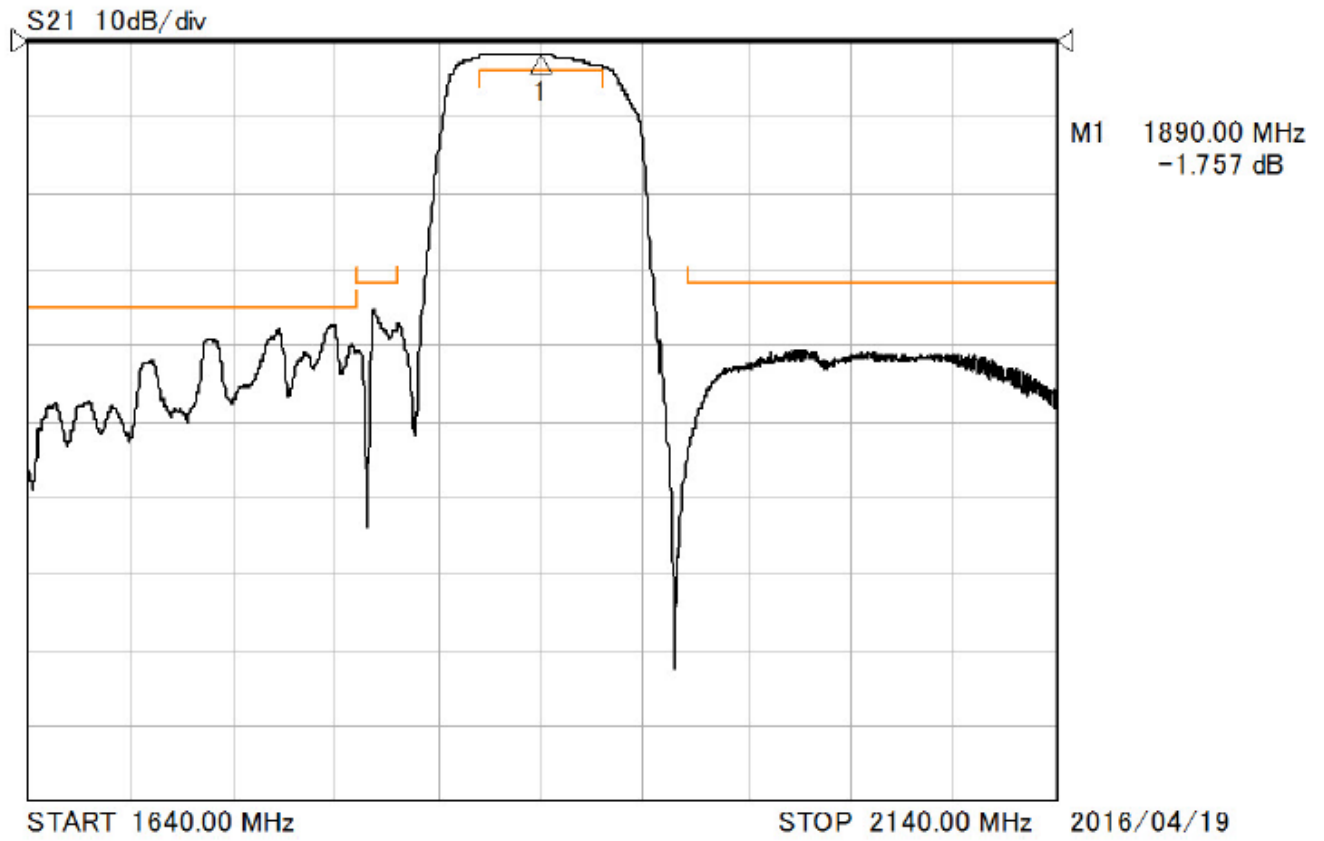
**Outline Drawing:**



**PCB Footprint:**

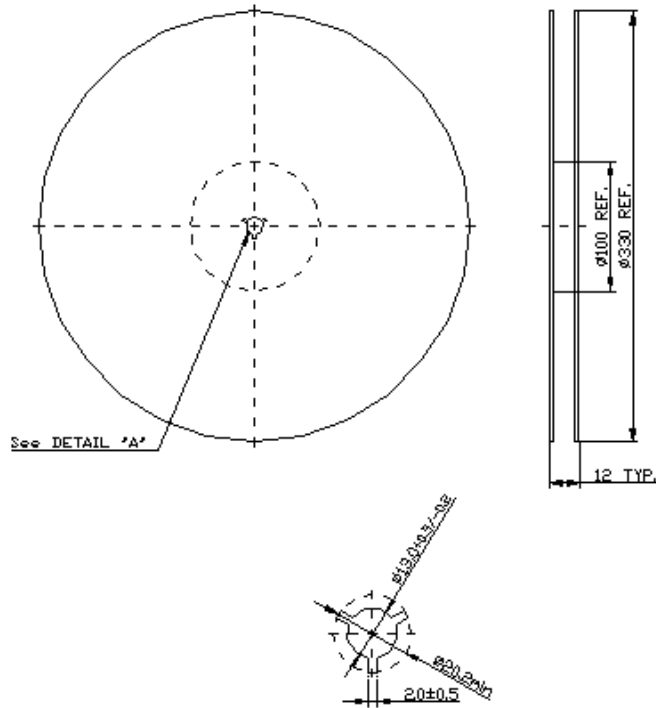


### Frequency Characteristics :

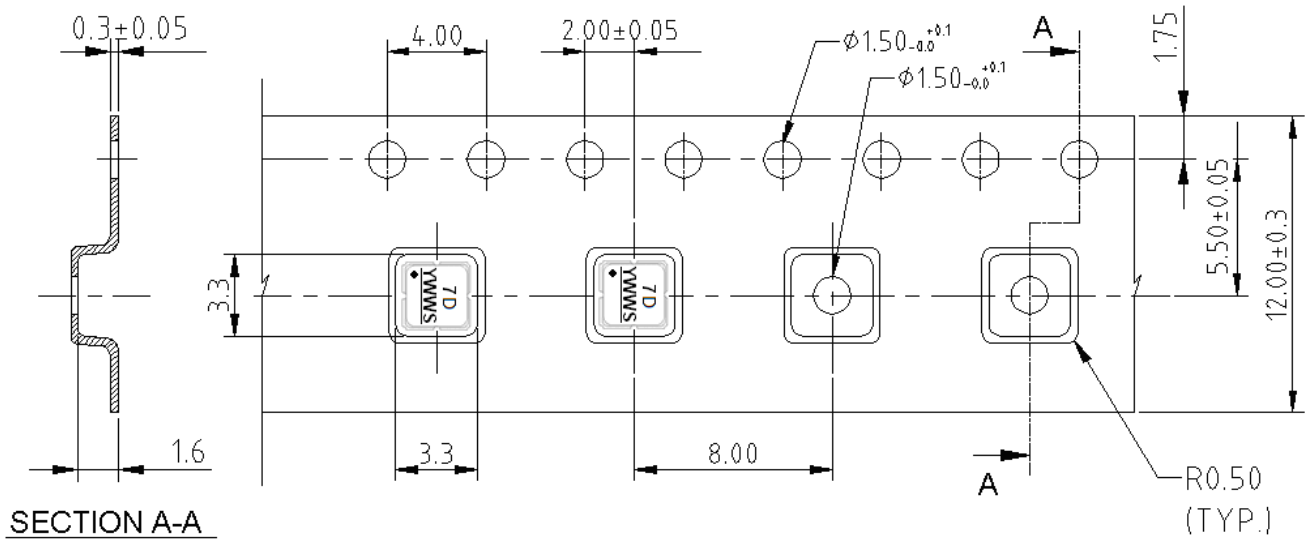


**Packing:**  
REEL DIMENSION

Reel Count:  
7" = 500  
13" = 3000

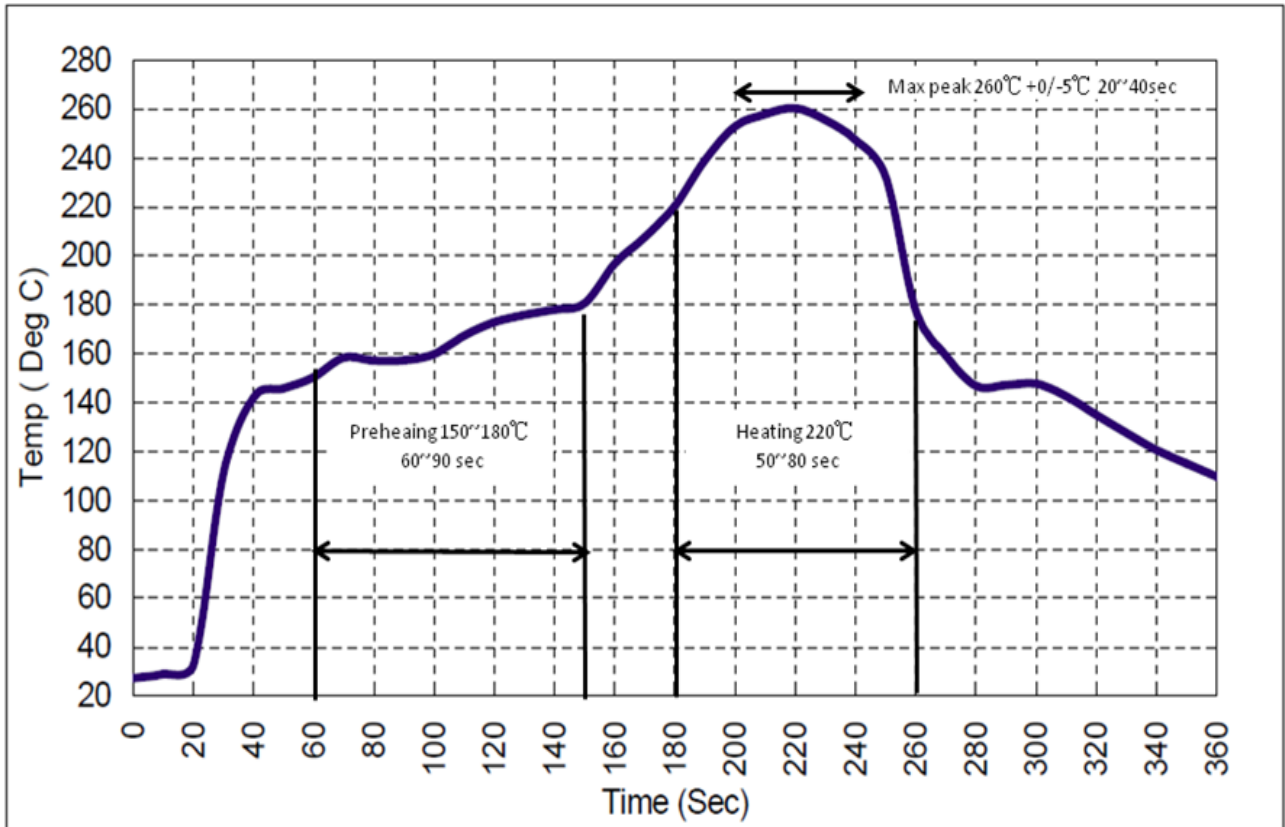


## 2. TAPE DIMENSION



### 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.



**CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.**

#### NOTES:

1. The design, manufacturing process, and specifications of this device are subject to change.
2. US or International patents may apply.
3. RoHS compliant from the first date of manufacture.