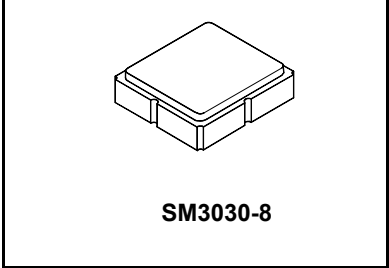


**SF2397E-1**

**1880 MHz  
SAW Filter**



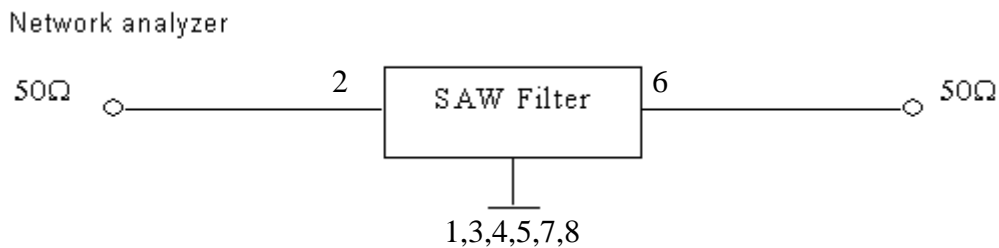
**MAXIMUM RATING:**

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

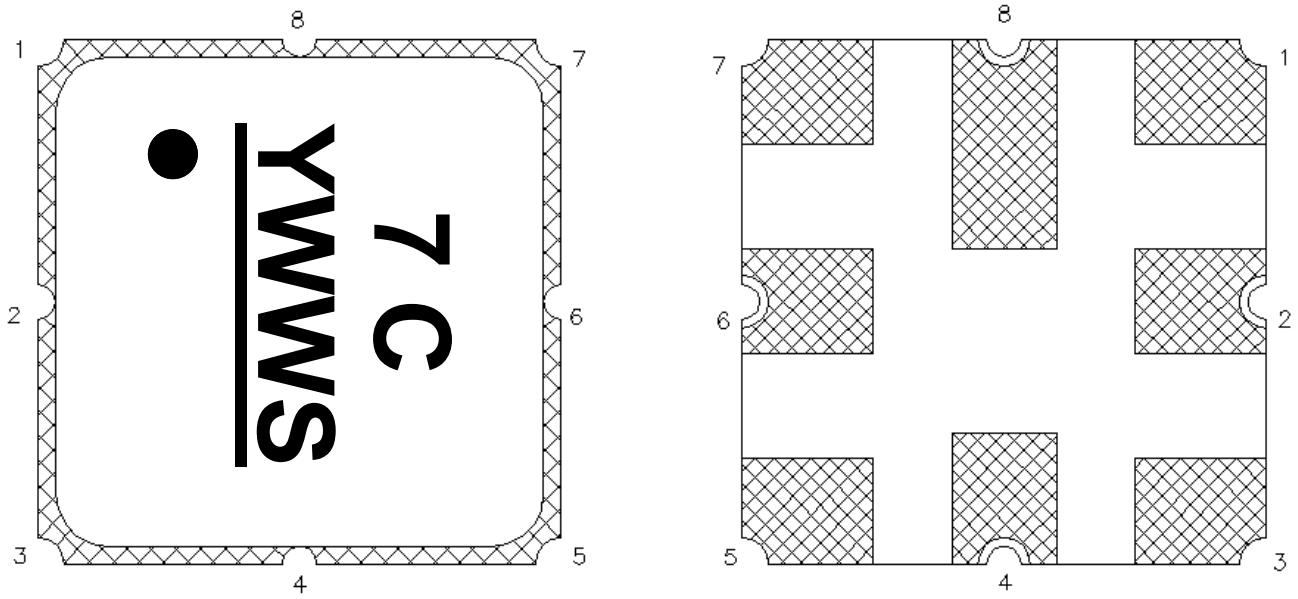
**ELECTRICAL CHARACTERISTICS:**

| Item                                      | Unit | Min       | Typical     | Max        |
|---|------|-----------|-------------|------------|
| Center Frequency <b>Fc</b>                | MHz  |           | <b>1880</b> |            |
| Insertion Loss (1860~2000 MHz)            | dB   | --        |             | <b>5</b>   |
| Bandwidth(2dB)                            | MHz  | <b>40</b> |             | --         |
| Amplitude Ripple (1860~2000 MHz)          | dB   | --        |             | <b>1.8</b> |
| Attenuation (Reference level from fc, dB) |      |           |             |            |
| 10 ~ 1820 MHz                             | dB   | <b>35</b> |             | --         |
| 1940 ~ 3700 MHz                           | dB   | <b>35</b> |             | --         |
| 3700 ~ 4500 MHz                           | dB   | <b>15</b> |             | --         |
| Input / Output Impedance                  | Ω    | <b>50</b> |             |            |

**Measurement Circuit:**

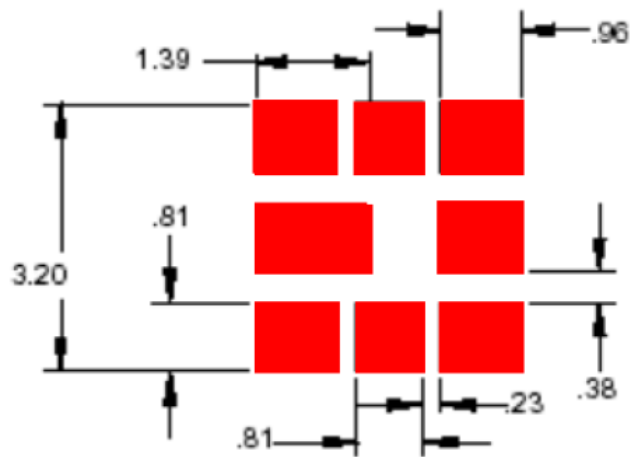


**Outline Drawing:**

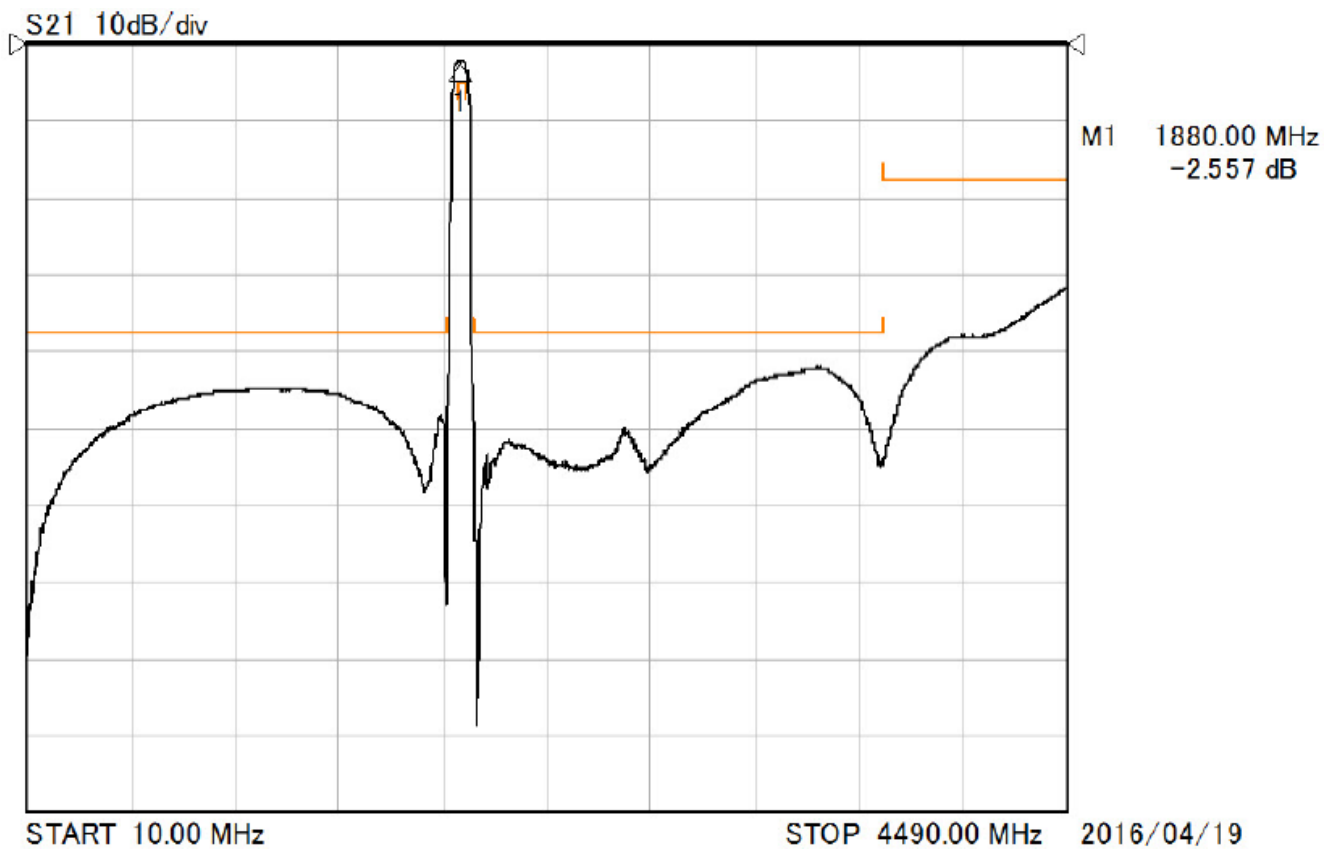
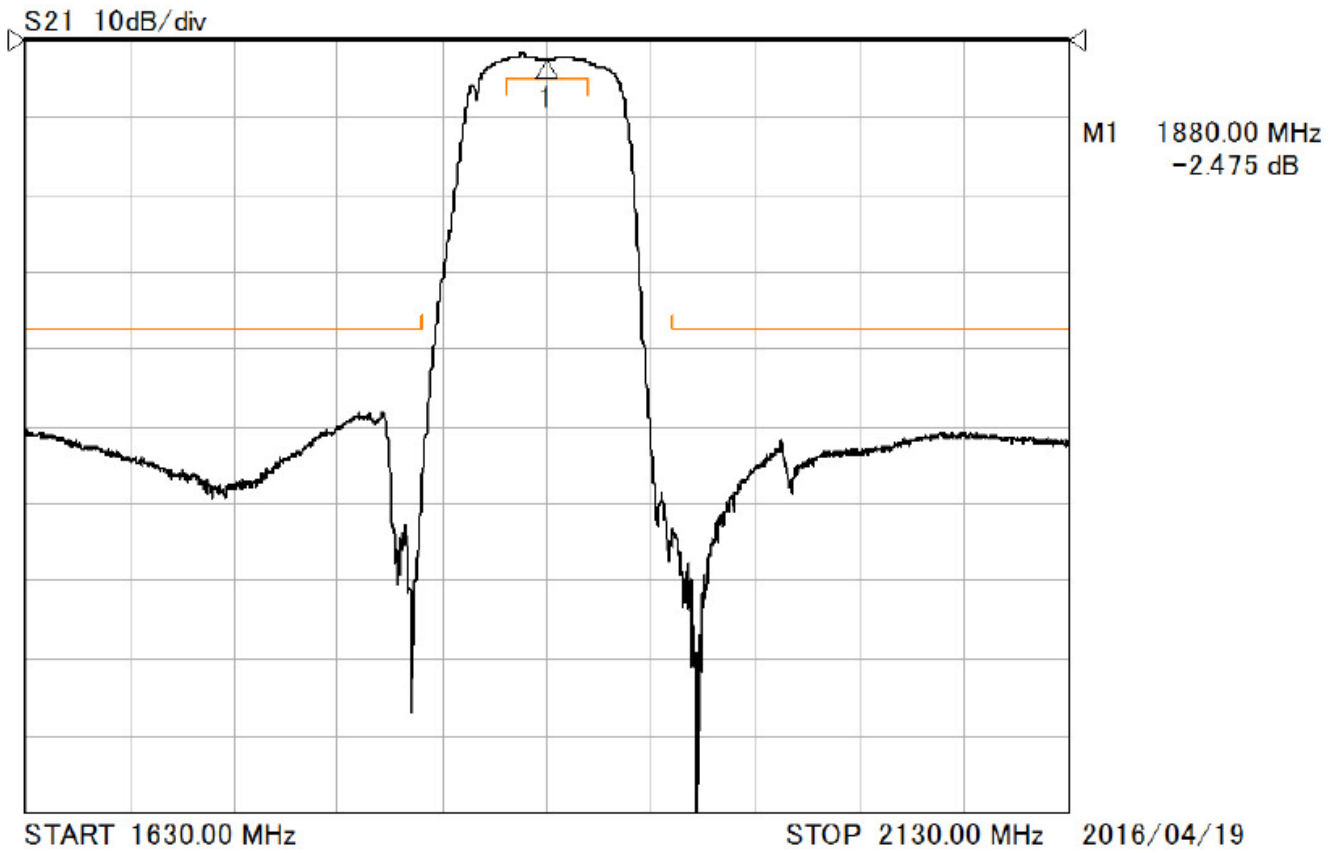


Y = Year, WW = Week, S = Shift

**PCB Footprint:**



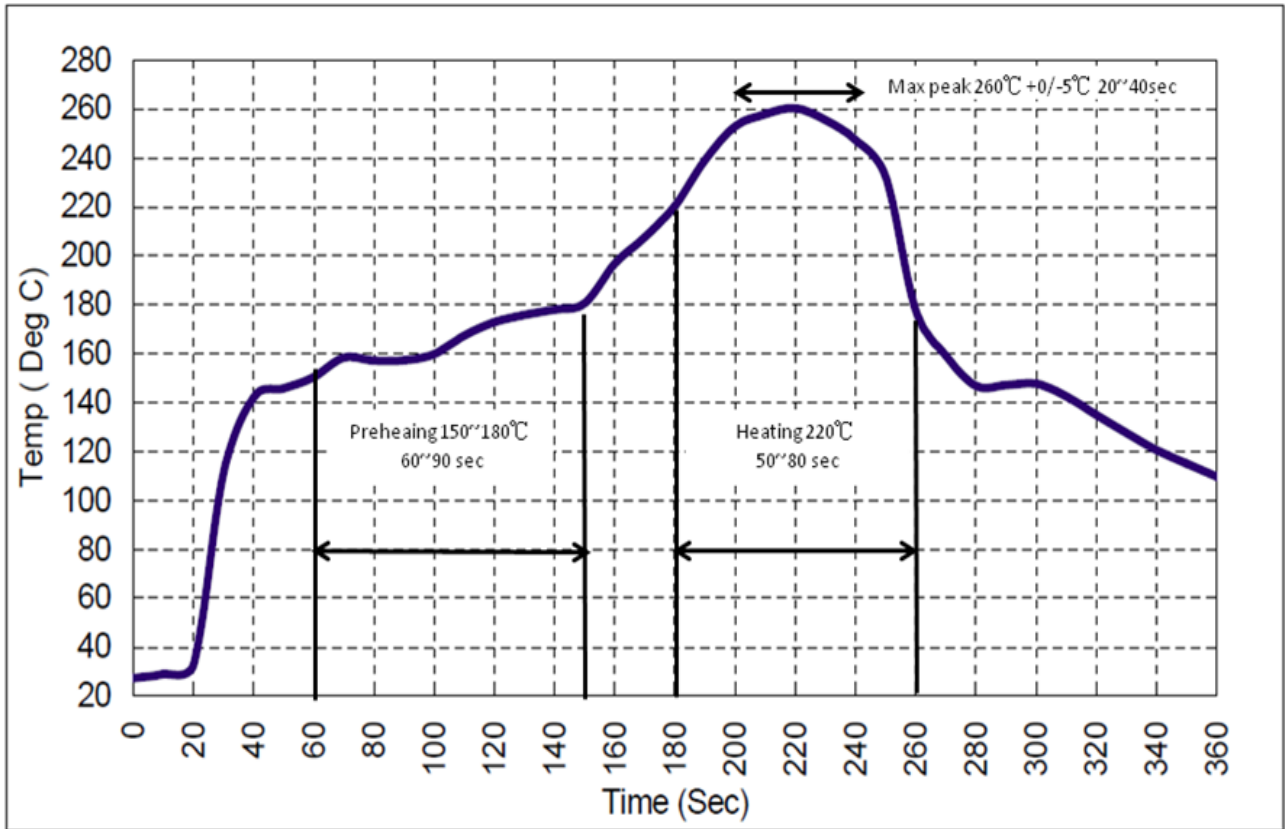
### Frequency Characteristics :





### 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.