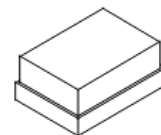


**SF2669K**

**2491.75 MHz**  
**SAW Filter**



SM1411-5

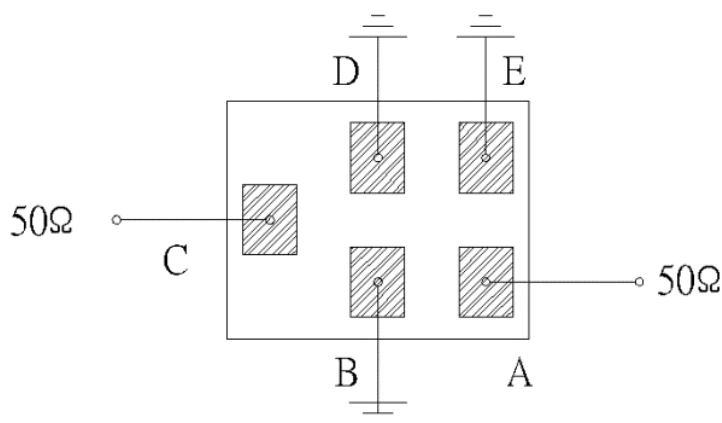
#### MAXIMUM RATING:

- Input Power Level: 7 dB<sub>m</sub>
- DC voltage: 3 V
- Operating Temperature: -30°C to +80°C
- Storage Temperature: -40°C to +85°C
- Moisture Sensitivity Level: Level 2a)

#### ELECTRICAL CHARACTERISTICS:

| Item                                                                 | Unit     | Min. | Typ.    | Max. |
|----------------------------------------------------------------------|----------|------|---------|------|
| <b>Center frequency</b> <b>F<sub>c</sub></b>                         | MHz      | -    | 2491.75 | -    |
| <b>Insertion Loss</b> (2483.5~2500 MHz) <b>IL</b>                    | dB       | -    | 3.1     | 4.25 |
| <b>Amplitude Variation</b> (2483.5~2500)<br>(over any 1.23 MHz span) | dB       | -    | 0.3     | 1.0  |
| <b>Phase Linearity</b> (2483.5~2500 MHz)<br>(over any 1.23 MHz span) | deg(rms) | -    | 0.1     | 2.5  |
| <b>Input/Output VSWR</b> (2483.5~2500 MHz)                           | -        | -    | 1.9     | -    |
| <b>Attenuation</b> (Reference level from 0 dB)                       |          |      |         |      |
| 1610 ~ 1626.5 MHz                                                    | dB       | 33   | 58      | -    |
| 2033 ~ 2051 MHz                                                      | dB       | 28   | 68      | -    |
| 2259 ~ 2275 MHz                                                      | dB       | 23   | 54      | -    |
| 2400 ~ 2440 MHz                                                      | dB       | 13   | 42      | -    |
| 2440 ~ 2450 MHz                                                      | dB       | 12   | 37      | -    |
| 2570 ~ 2600 MHz                                                      | dB       | 15   | 62      | -    |
| <b>Temperature Coefficient of Frequency</b>                          | Ppm/°C   | -    | -36     | -    |

#### MEASUREMENT CIRCUIT:



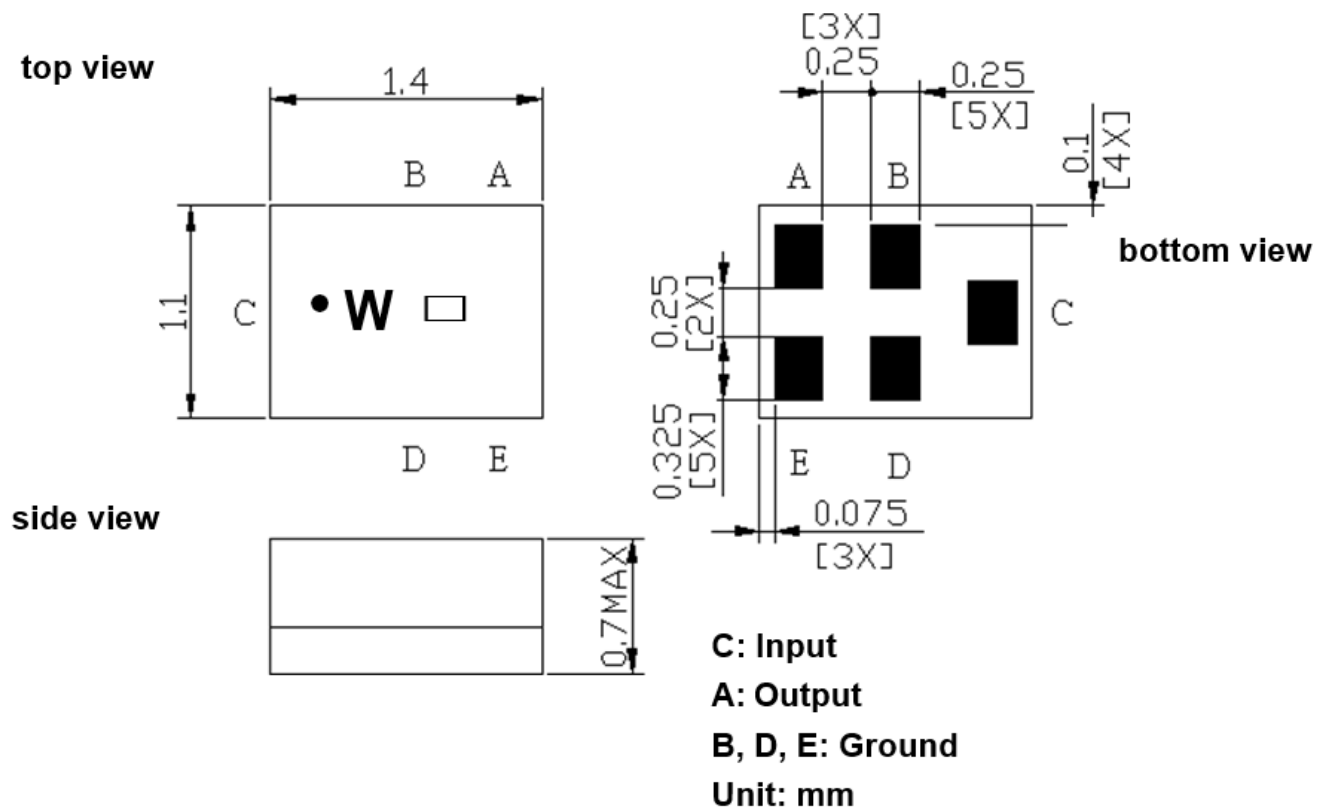


**CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.**

**NOTES:**

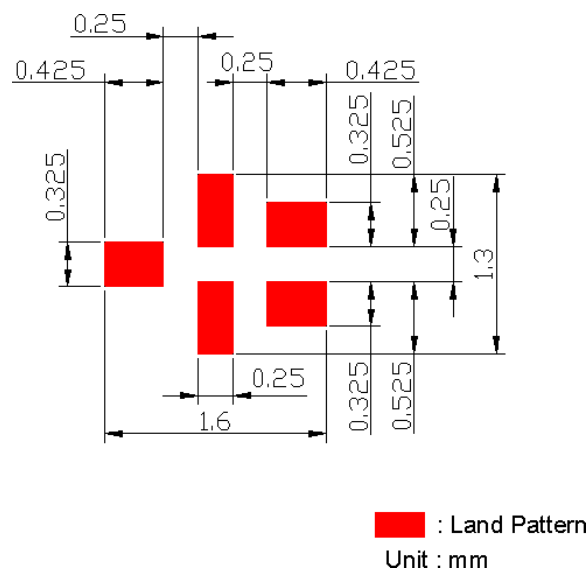
1. The design, manufacturing process, and specifications of this device are subject to change.
2. US or International patents may apply.
3. RoHS compliant from the first date of manufacture.

**OUTLINE DRAWING:**

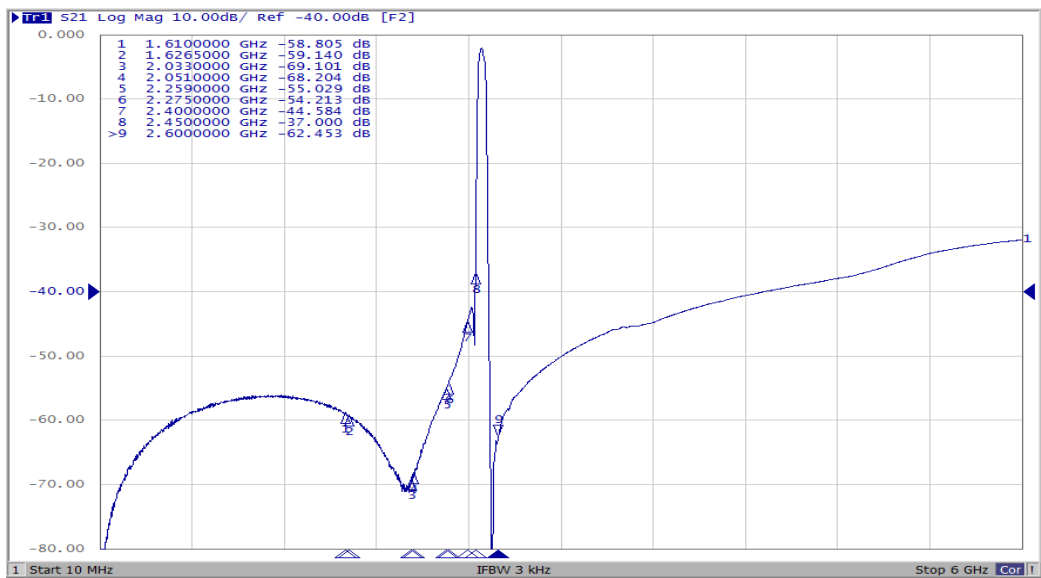
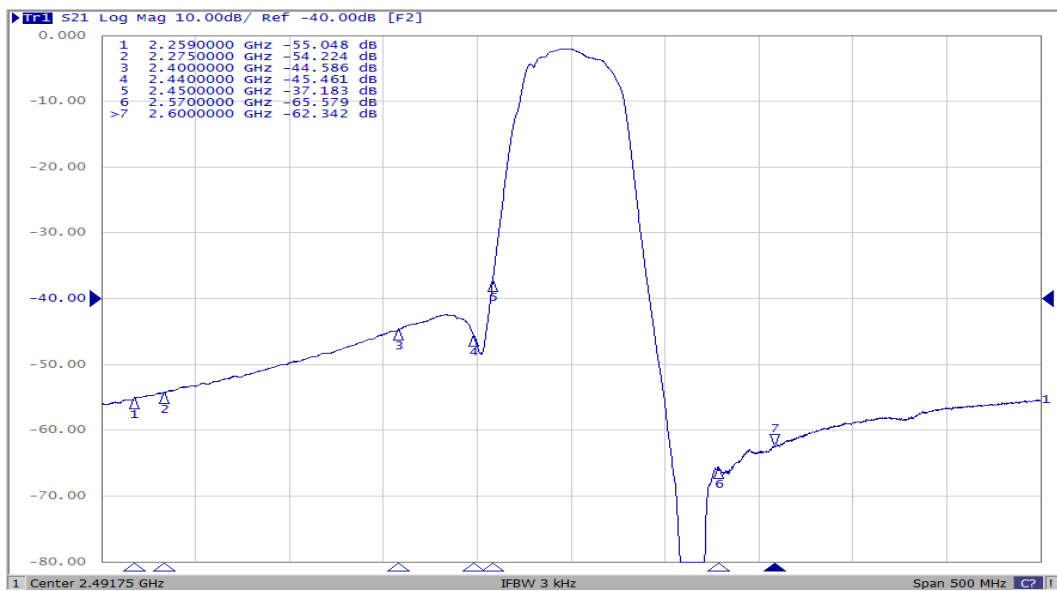
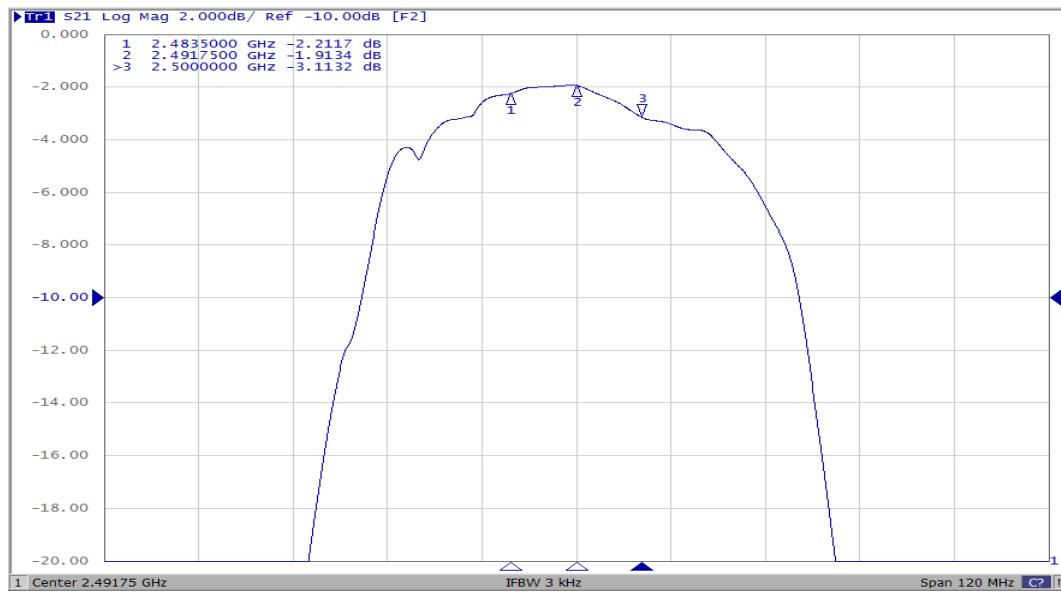


□ : Year/Month Code (Follow the table)

**PCB Footprint:**

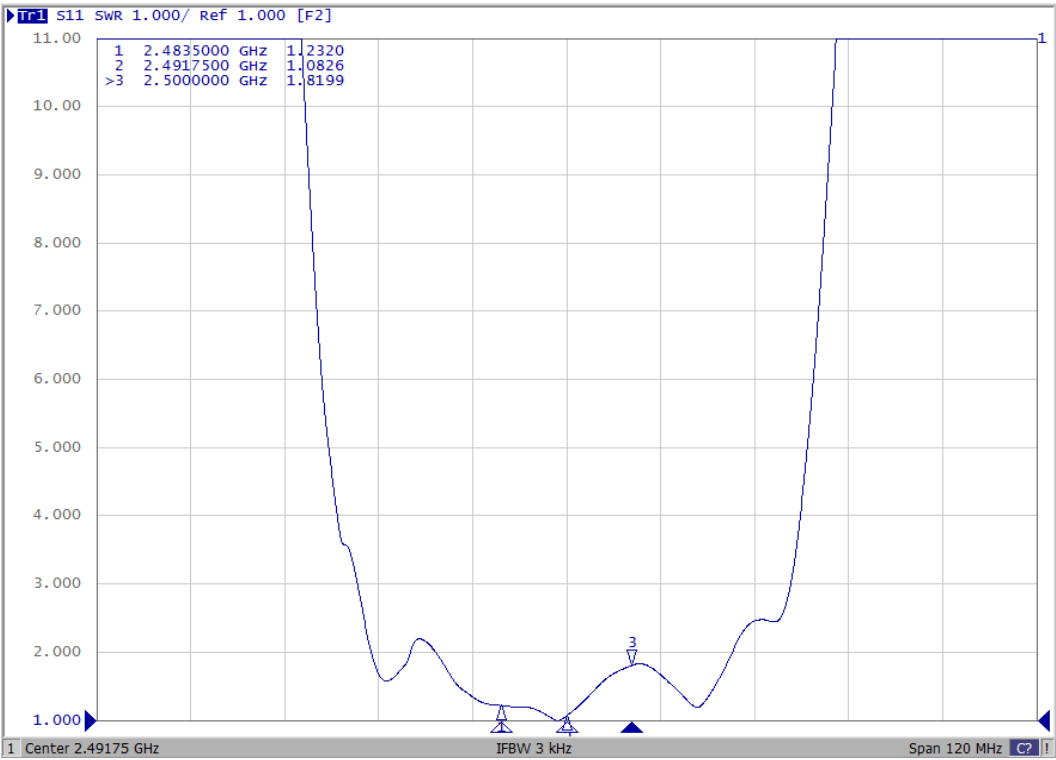


## Frequency Characteristics:

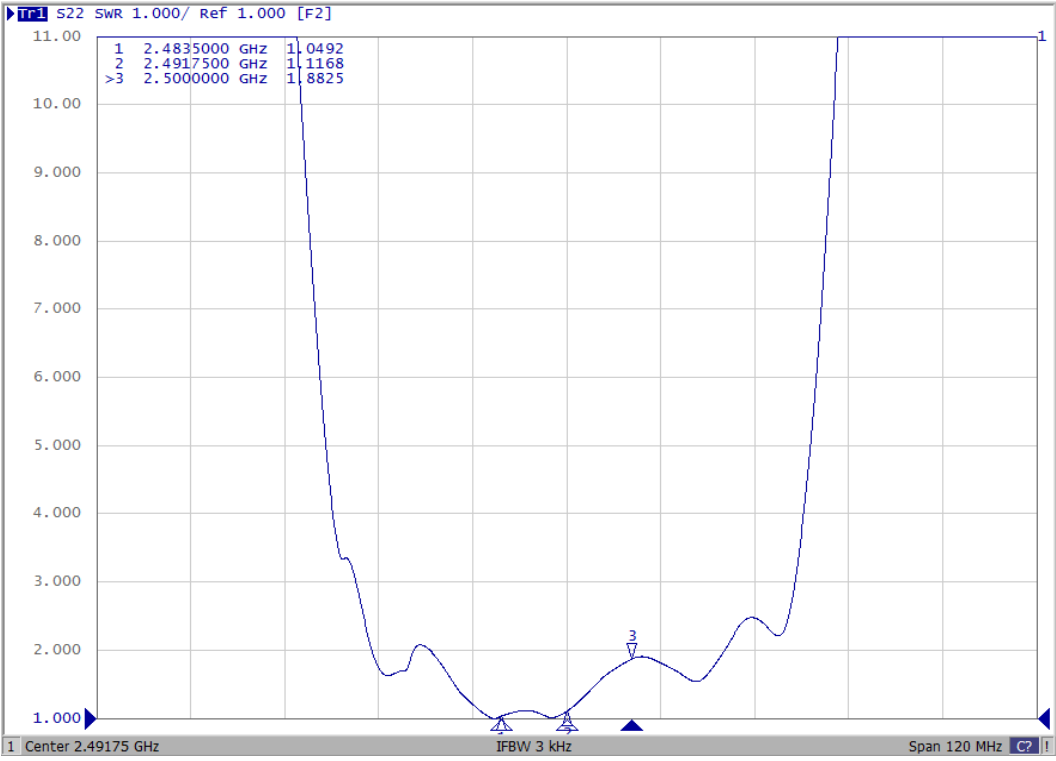


Reflection Functions:

S11



S22



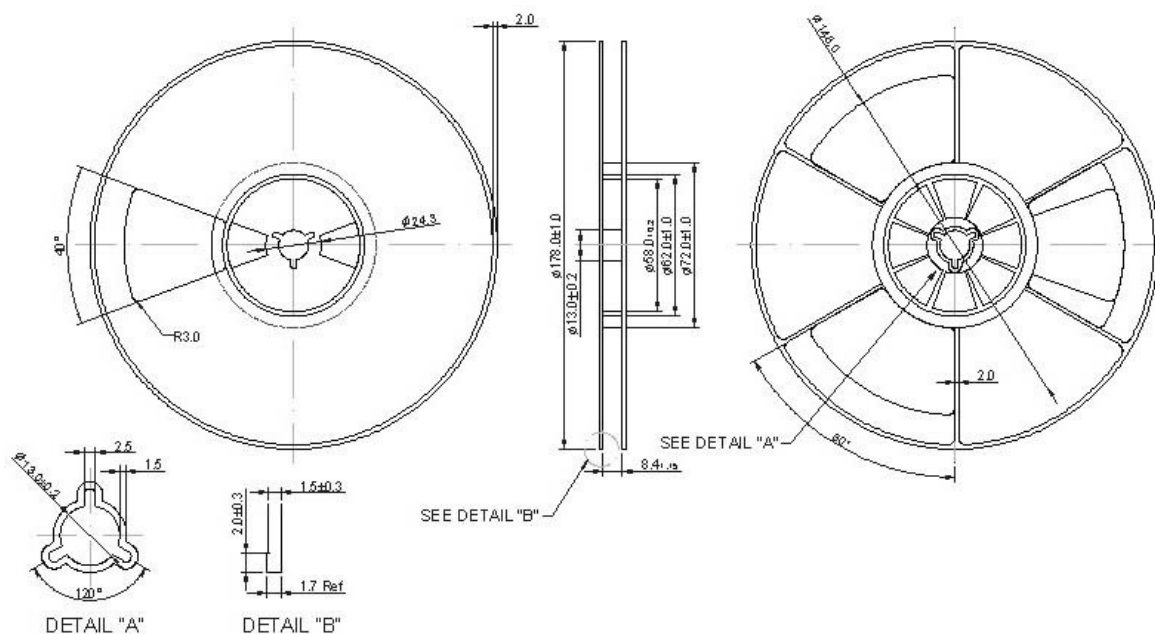
## PACKING:

### 1. REEL DIMENSION

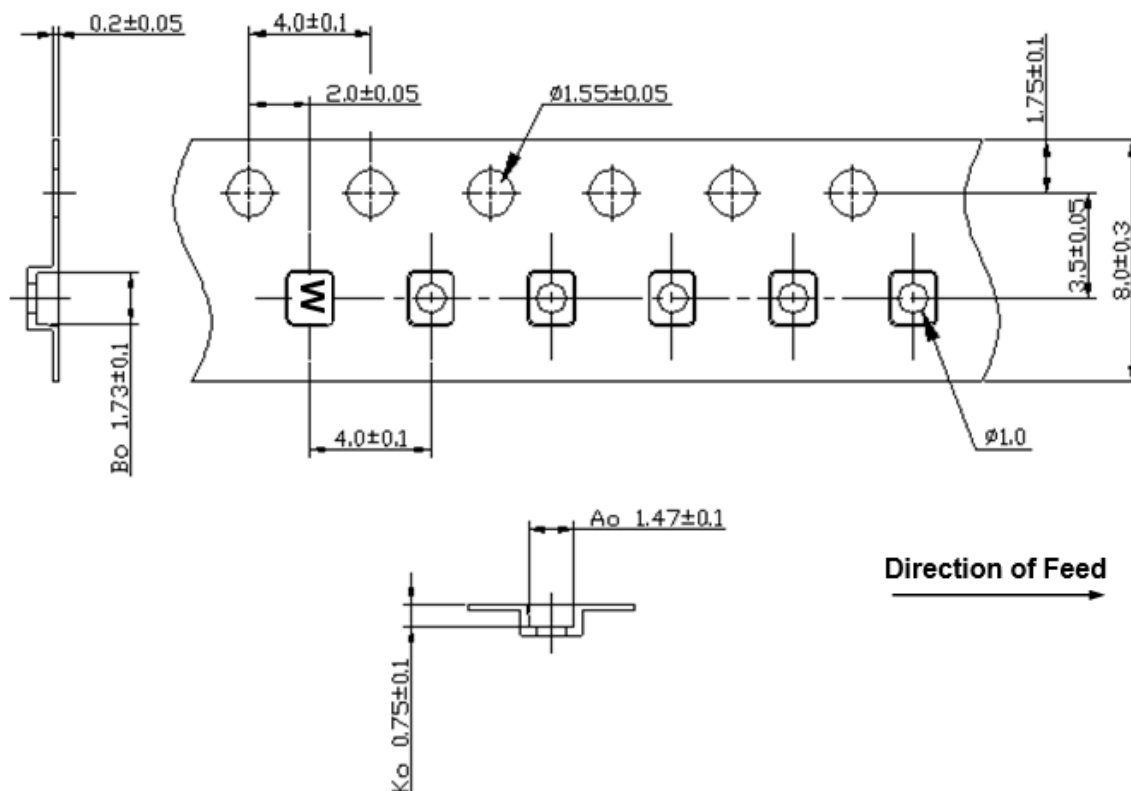
Reel Count:

7" = 3000

13" = 10,000



### 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.

