

## Absolute Maximum Ratings

| Rating                                               | Value      | Units |
|------------------------------------------------------|------------|-------|
| Input Power Level                                    | 13         | dBm   |
| DC Voltage                                           | 0          | VDC   |
| Specification Temperature Range                      | -40 to +85 | °C    |
| Storage Temperature Range                            | -40 to +85 | °C    |
| Moisture Sensitivity Level: 3                        |            |       |
| Symbolization: 16J    Package size: SMD 1.4 x 1.1 mm |            |       |

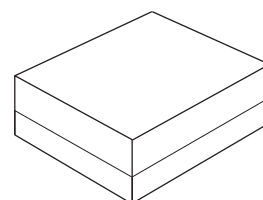
## Electrical Characteristics

Terminating source impedance (single):  $Z_s = 50 \Omega$

Terminating load impedance (single):  $Z_L = 50 \Omega$

# SF2735K

## 925 MHz SAW Filter



SM1411-5

| Item                                                  | Unit | Min. | Typ. | Max. | Note |
|-------------------------------------------------------|------|------|------|------|------|
| <b>Center Frequency</b> $F_c$                         | MHz  | -    | 925  | -    | -    |
| <b>Insertion Loss</b> (922.5 ~ 927.5 MHz) @ 25°C $IL$ | dB   | -    | 2.8  | 3.5  | -    |
| <b>VSWR S11/S22</b> (922.5 ~ 927.5 MHz)               |      | -    | 1.4  | 2    | -    |
| <b>Attenuation</b> (reference level from 0 dB)        |      |      |      |      |      |
| 10~710 MHz                                            | dB   | 35   | 40   | -    | -    |
| 710~900 MHz                                           | dB   | 34   | 40   | -    | -    |
| 900~908 MHz @ 25°C                                    | dB   | 30   | 33   | -    | -    |
| 930~932 MHz @ 25°C                                    | dB   |      | 6    | -    | -    |
| 932~935 MHz @ 25°C                                    | dB   | 7    | 20   | -    | -    |
| 935~945 MHz                                           | dB   | 15   | 20   | -    | -    |
| 945~960 MHz                                           | dB   | 35   | 40   | -    | -    |
| 960~1000 MHz                                          | dB   | 35   | 40   | -    | -    |
| 1000~1215 MHz                                         | dB   | 35   | 40   | -    | -    |
| 1215~2000 MHz                                         | dB   | 30   | 35   | -    | -    |
| 2000~3600 MHz                                         | dB   | 30   | 35   | -    | -    |

\* Typical values are based on average measurements at +25°C

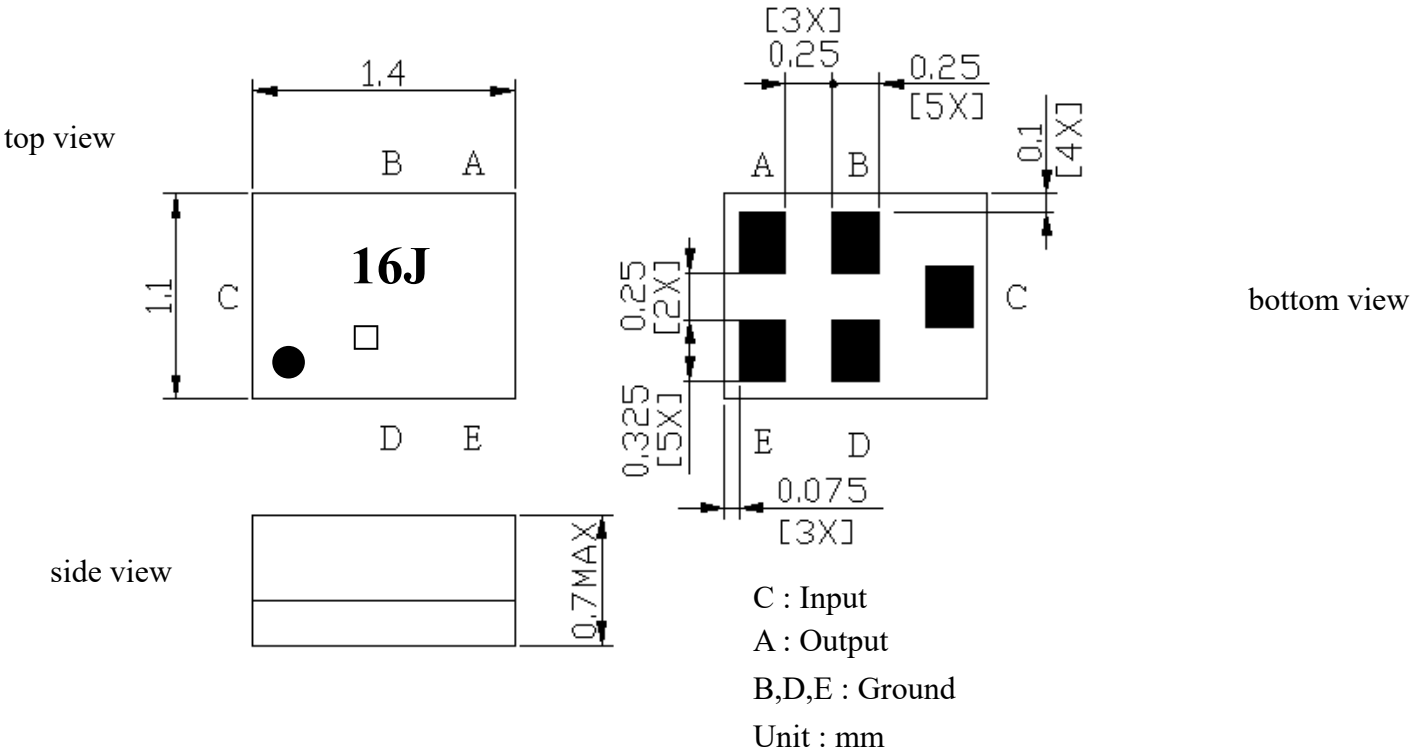


**CAUTION:** Electrostatic Sensitive Device. Observe precautions for handling.

### NOTES:

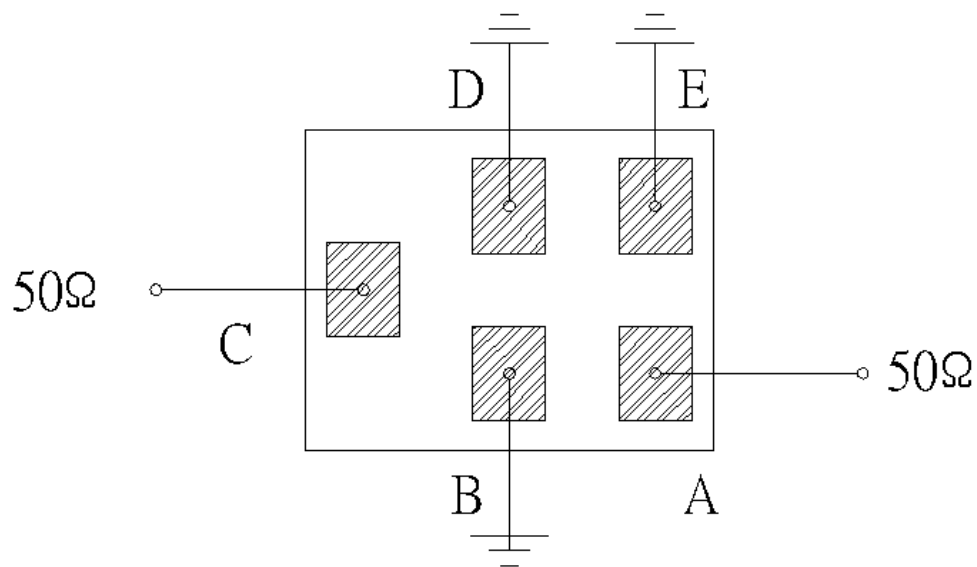
1. The design, manufacturing process, and specifications of this device are subject to change.
2. US or International patents may apply.
3. RoHS compliant from the first date of manufacture.

Outline Drawing

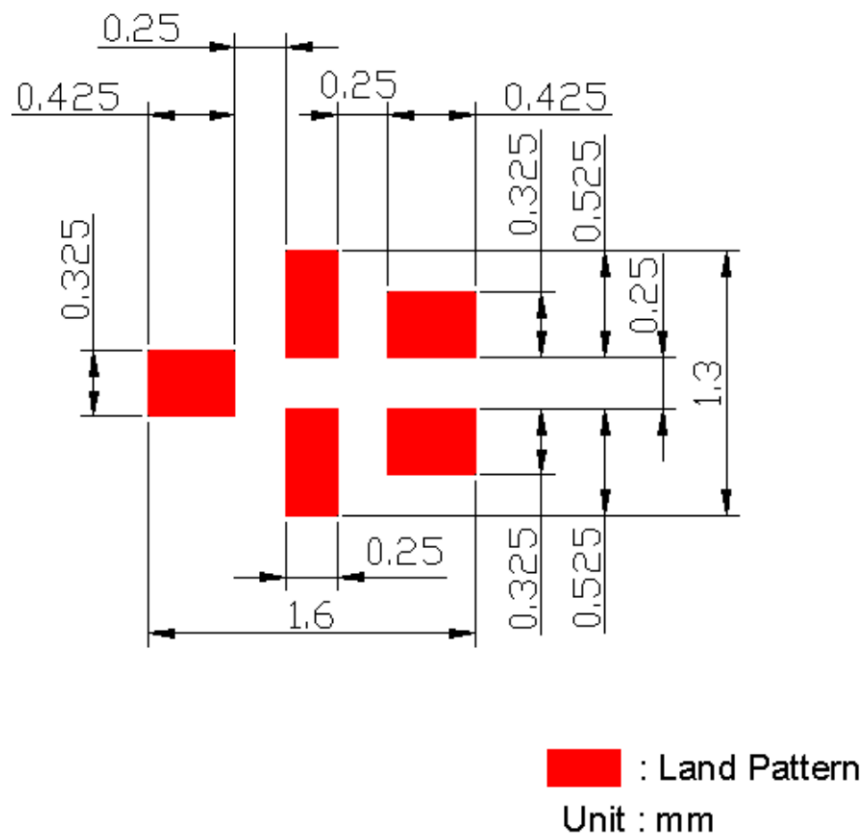


Marking:  
16J (assigned by manufacturer)  
□ : Year/Month Code

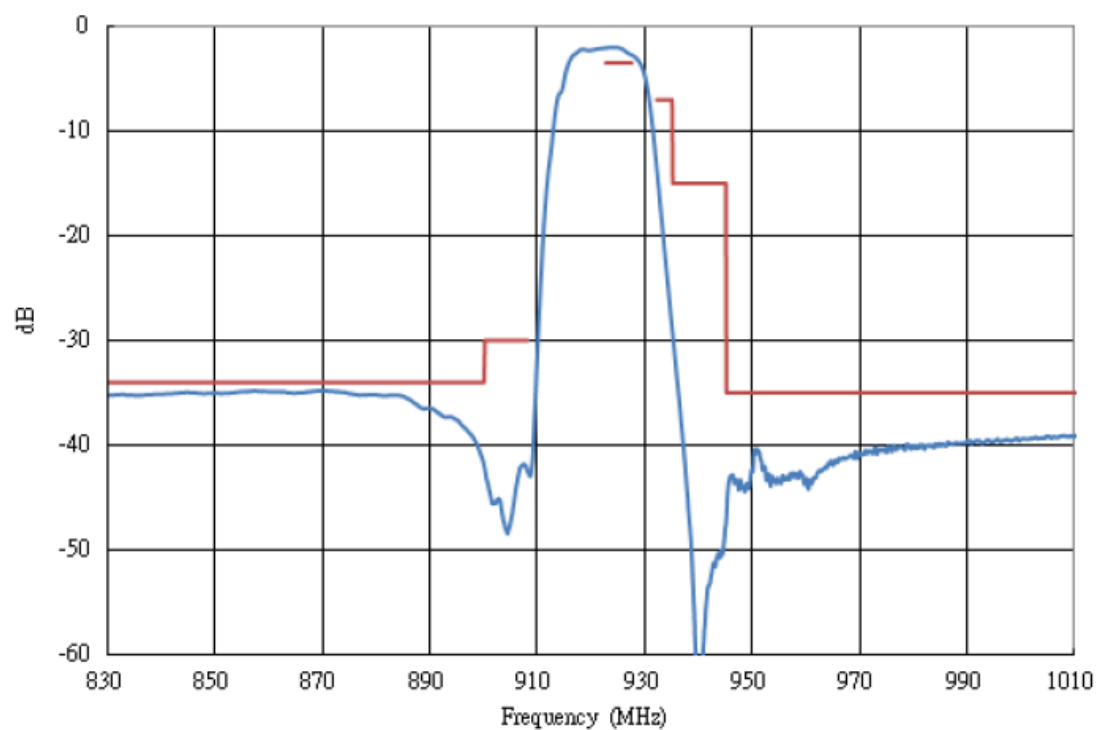
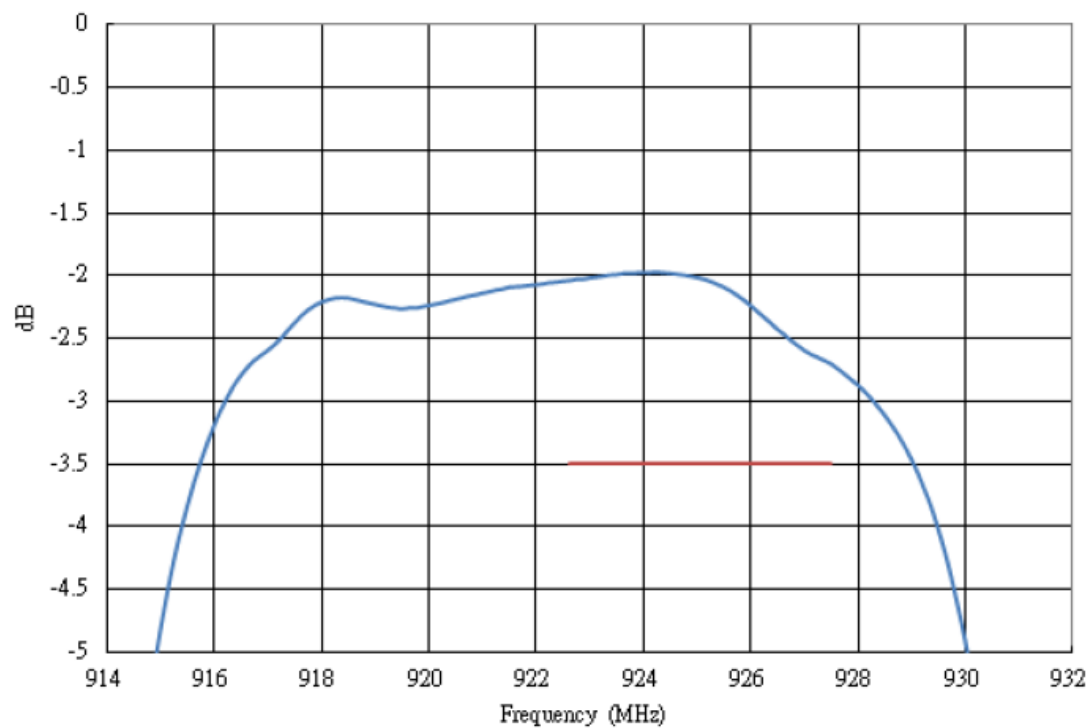
## Measurement Circuit



## PCB Footprint



## Frequency Characteristics

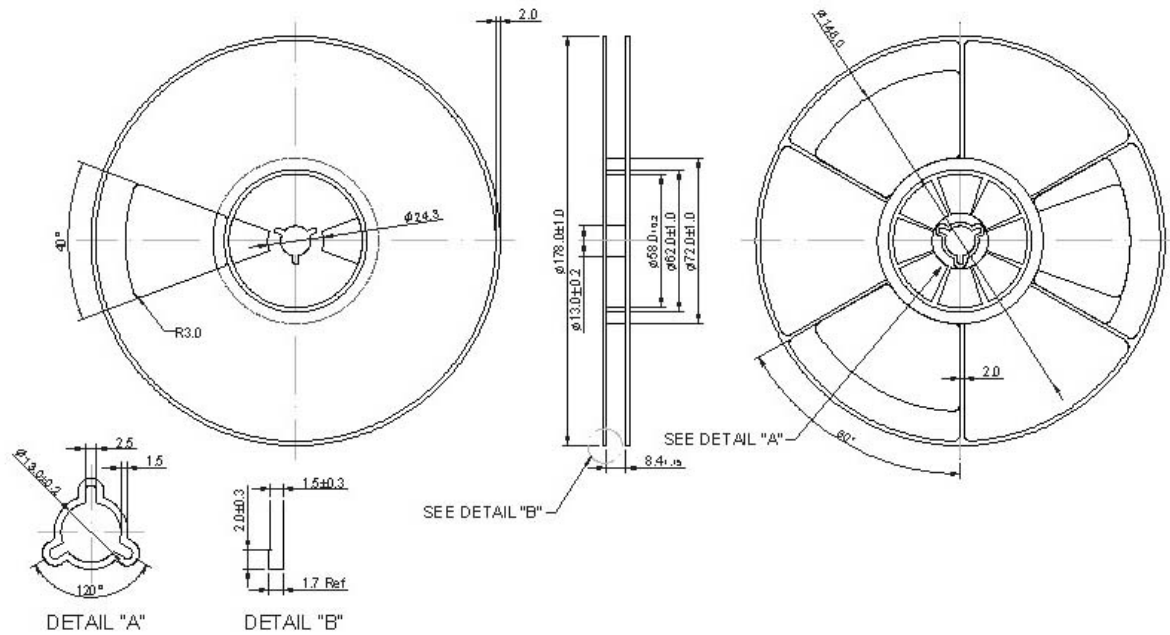


# Packing

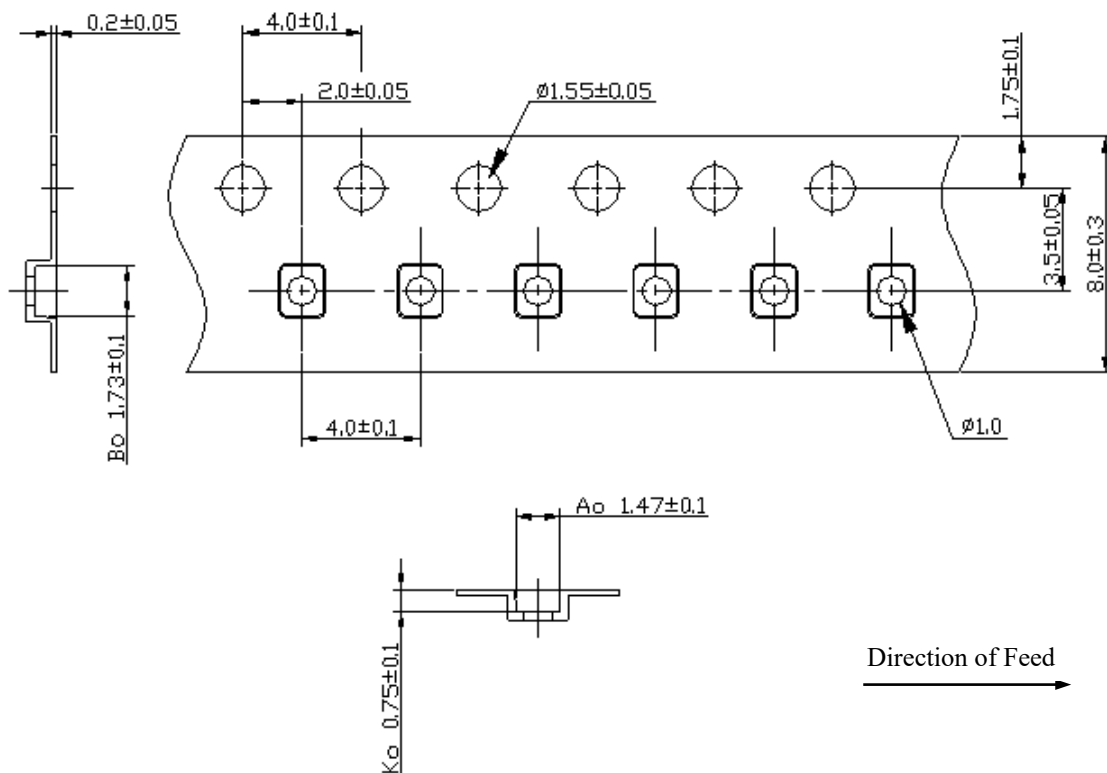
Reel Dimension

Reel Count:  
7" = 3000

Tape and Reel Standard per ANSI/EIA-481



Tape Dimensions:



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.

