

# SF-092202-S27

ISM-Band, RF SAW Filter  
Revision 0: May 2017



- ☐ Electrical Characteristics
  - ☐ Package Dimensions
  - ☐ Testing Environment
  - ☐ Frequency Characteristics
-

## **□ Electrical Characteristics**

### **Maximum Ratings**

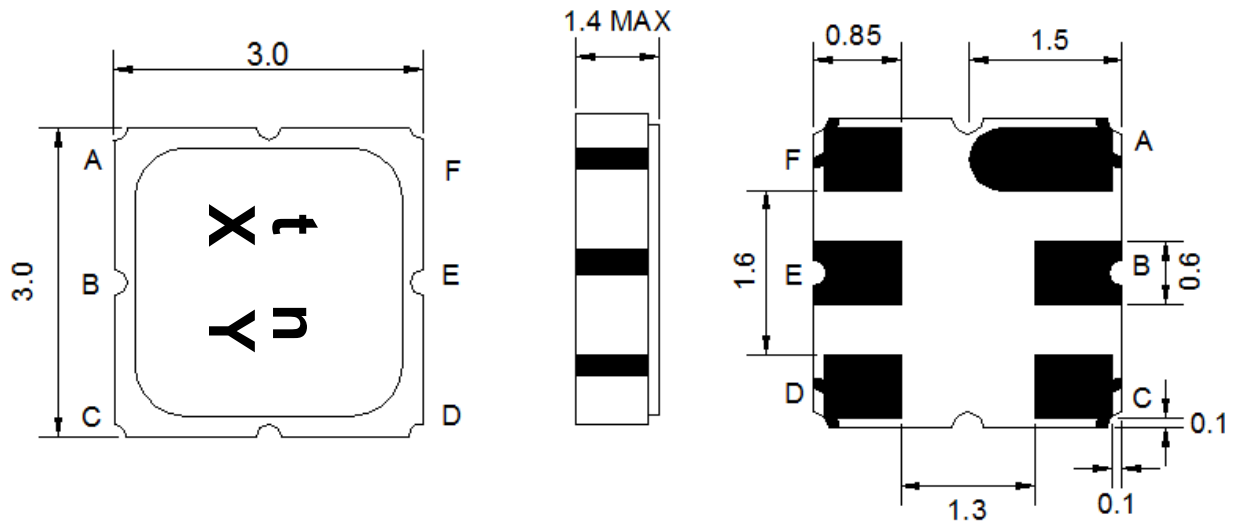
| Parameters Description                       | Unit | Minimum | Typical   | Maximum |
|----------------------------------------------|------|---------|-----------|---------|
| Operating Temperature Range                  | °C   | -20     | -         | +85     |
| Storage Temperature Range                    | °C   | -40     | -         | +85     |
| Maximum DC Voltage                           | V    | -       | -         | 5       |
| Maximum Input Power                          | dBm  | -       | -         | 10      |
| Source Impedance (unbalanced) <sup>(1)</sup> | Ω    | -       | 50        | -       |
| Load Impedance (unbalanced) <sup>(1)</sup>   | Ω    | -       | 50        | -       |
| Package type & size                          | S27  |         |           |         |
| Length x Width                               | -    | -       | 3.0 x 3.0 | -       |
| Height                                       | mm   | -       | -         | 1.4     |

### **Electrical Specification**

| Parameters Description                         | Unit | Minimum | Typical | Maximum |
|------------------------------------------------|------|---------|---------|---------|
| Center Frequency <b>Fc</b>                     | MHz  | -       | 922.5   | -       |
| Min. Insertion loss <b>IL</b>                  | dB   | -       | 3.0     | 3.5     |
| Bandwidth @ -3dB                               | MHz  | 4.0     | 10.5    | -       |
| <b>Attenuation (Reference level from 0 dB)</b> |      |         |         |         |
| 882.5 ~ 901.5 MHz                              | dB   | 30      | 39      | -       |
| 910.5 MHz                                      | dB   | 8       | 56      | -       |
| 934.5 MHz                                      | dB   | 8       | 42      | -       |
| 943.5 ~ 962.5 MHz                              | dB   | 30      | 49      | -       |

**Notes :** (1)No Matching Network (Ref. Testing Environment Circuit as shown below).

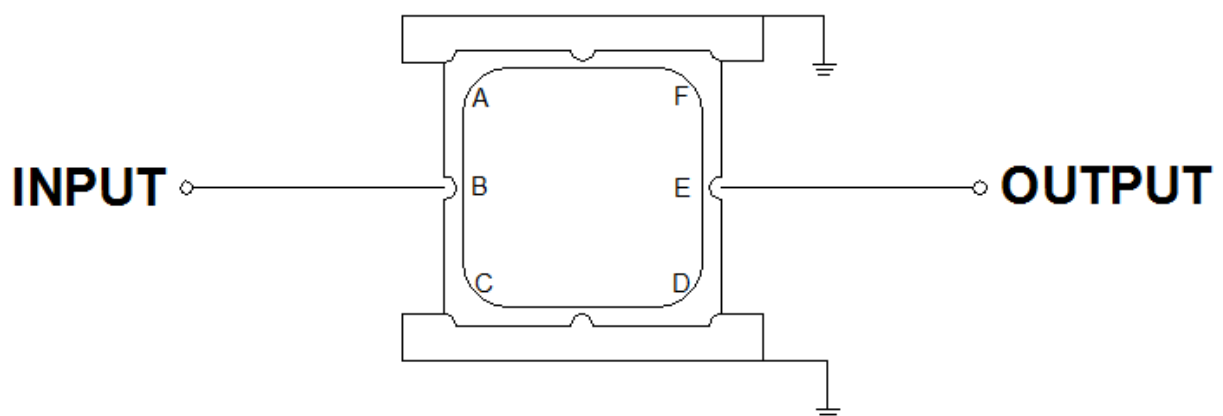
## Package Dimensions



| Marking Descriptions |                      |
|----------------------|----------------------|
| t                    | ISM-Band Application |
| n                    | Series Number        |
| X                    | Date Code(Year)      |
| Y                    | Date Code(Month)     |

| Pin Description |        |
|-----------------|--------|
| A,C,D,F         | Ground |
| B               | Input  |
| E               | Output |

## Testing Environment



Source & Load Impedance: 50  $\Omega$

### □ Frequency Characteristics

#### Frequency Response

