

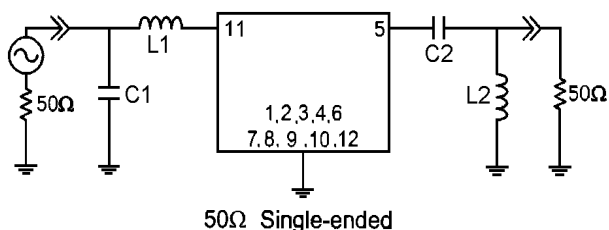
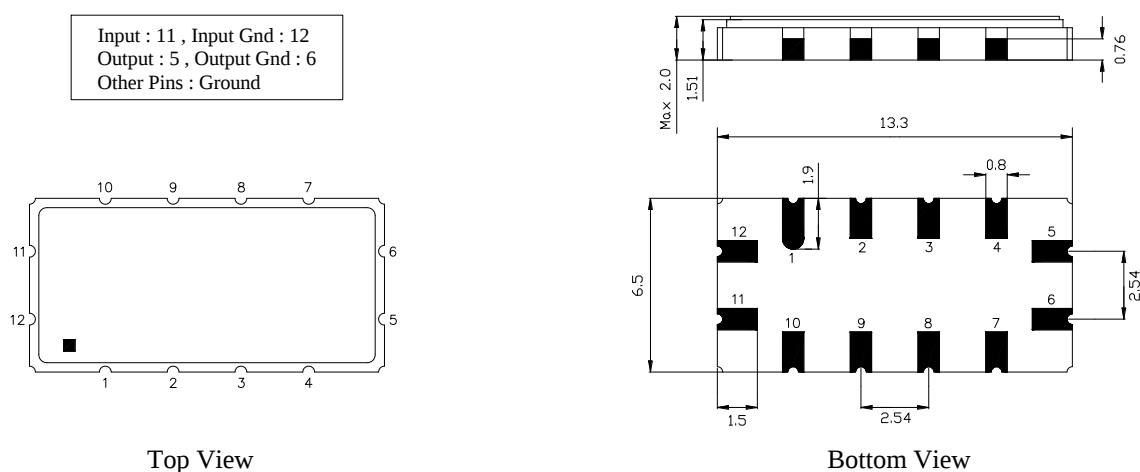
## PRODUCT SPECIFICATION FOR INFORMATION

- Product Name : SAW BAND PASS FILTER
- Part No : M15020S

### 1. Specification

| Parameter                  | Unit   | Min.                        | Typ.  | Max.   |
|----------------------------|--------|-----------------------------|-------|--------|
| Center Frequency           | MHz    | 149.85                      | 150.0 | 150.15 |
| Insertion Loss             | dB     | -                           | 23.0  | 25.0   |
| 1dB Bandwidth              | MHz    | 20.2                        | 20.4  | -      |
| 3dB Bandwidth              | MHz    | -                           | 21.0  | -      |
| 40dB Bandwidth             | MHz    | -                           | 23.2  | 23.5   |
| Passband Ripple            | dB     | -                           | 0.5   | 1.2    |
| Group Delay Variation      | nsec   | -                           | 50    | 100    |
| Absolute Delay             | μsec   | -                           | 1.40  | -      |
| Ultimate Attenuation       | dB     | 45                          | 50    | -      |
| Substrate Material & T.C.F | ppm/°C | 128-LiNbO <sub>3</sub> /-72 |       |        |
| Terminating Impedance      | Ω      | 50                          |       |        |
| Maximum Input Power        | dBm    | 10                          |       |        |
| Operating Temperature      | °C     | -20 ~ +70                   |       |        |

### 2. Dimension & Matching Configuration



L1=27nH, L2=82nH, C1=22pF, L4=39pF  
 Source / Load Impedance = 50Ω  
 Ambient Temperature = 25°C

