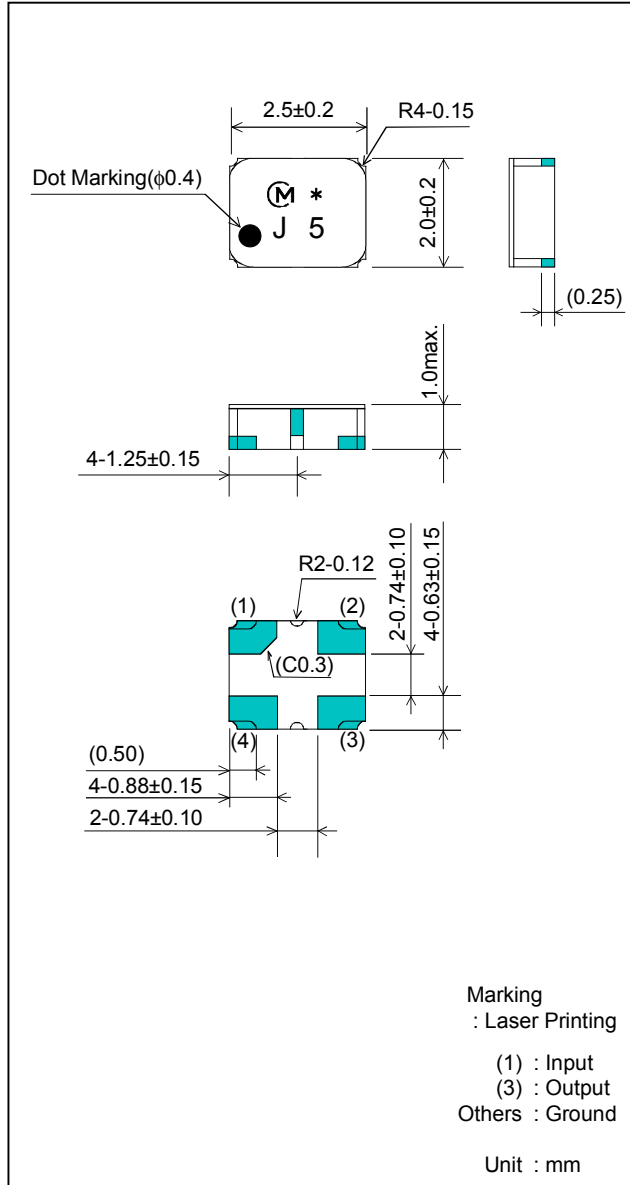


# SAW FILTER FOR GPS

Murata part number :SAFSE1G57KA0T90

## Package Dimensions



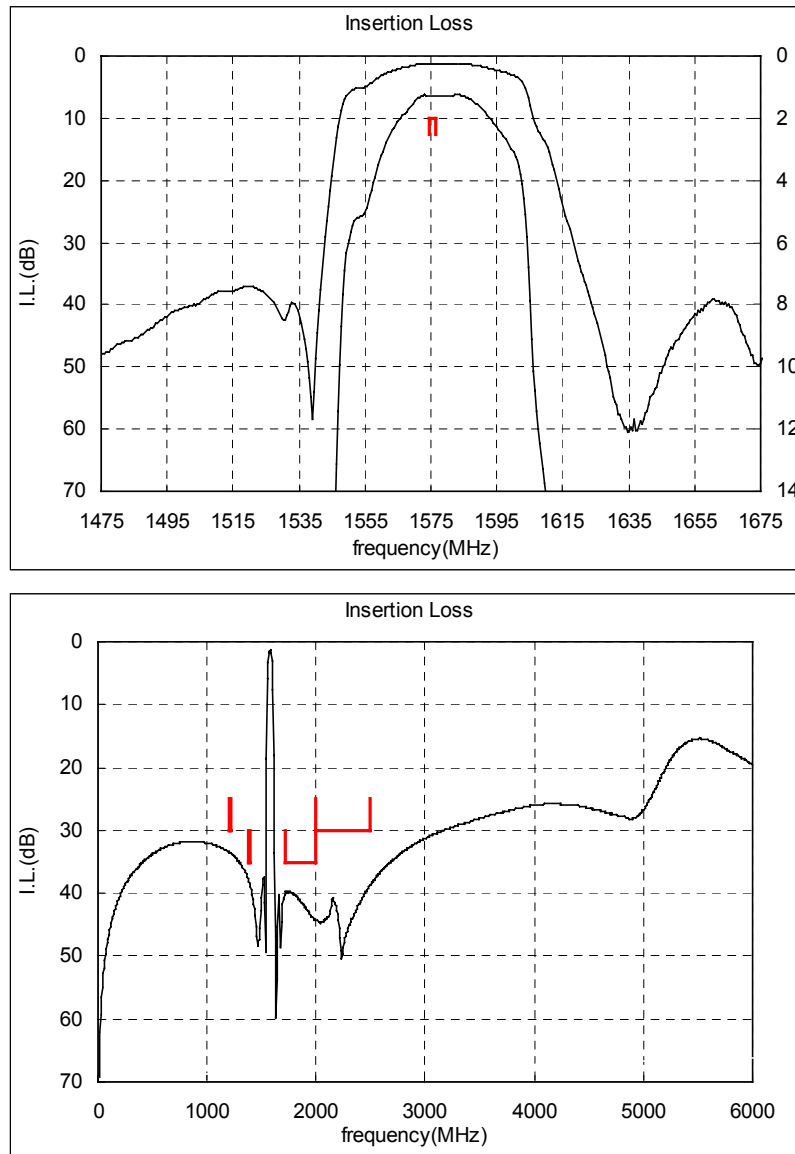
## Specification

| Item                                         | Specification             |        |
|----------------------------------------------|---------------------------|--------|
|                                              | -40 to +85°C              | typ.   |
| Nominal Center Frequency( $f_c$ )            | 1575.42 MHz               |        |
| Insertion Loss<br>(1574.42 to 1576.42 MHz)   | 2.0 dB max.               | 1.1 dB |
| Absolute Attenuation                         |                           |        |
| 1) 100 to 960 MHz                            | 30 dB min.                | 33 dB  |
| 2) 1205 to 1215 MHz                          | 30 dB min.                | 35 dB  |
| 3) 1385 to 1395 MHz                          | 35 dB min.                | 40 dB  |
| 4) 1710 to 1990 MHz                          | 35 dB min.                | 38 dB  |
| 5) 1990 to 2500 MHz                          | 30 dB min.                | 40 dB  |
| Ripple Deviation<br>(1574.42 to 1576.42 MHz) | 1.5 dB max.               | 0.1 dB |
| VSWR<br>(1574.42 to 1576.42 MHz)             | 1.8 max.                  | 1.4    |
| Input/Output Impedance (nominal)             | 50Ω                       |        |
| Input Signal Level                           | 50mW (+17dBm), 2000 hours |        |

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## ■ Frequency Performance

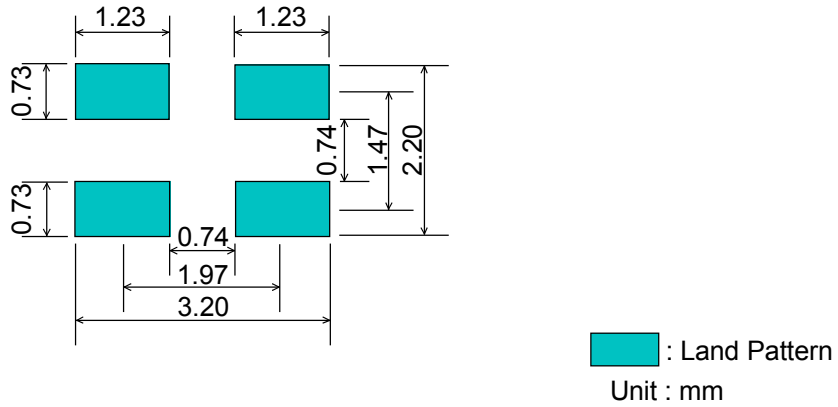




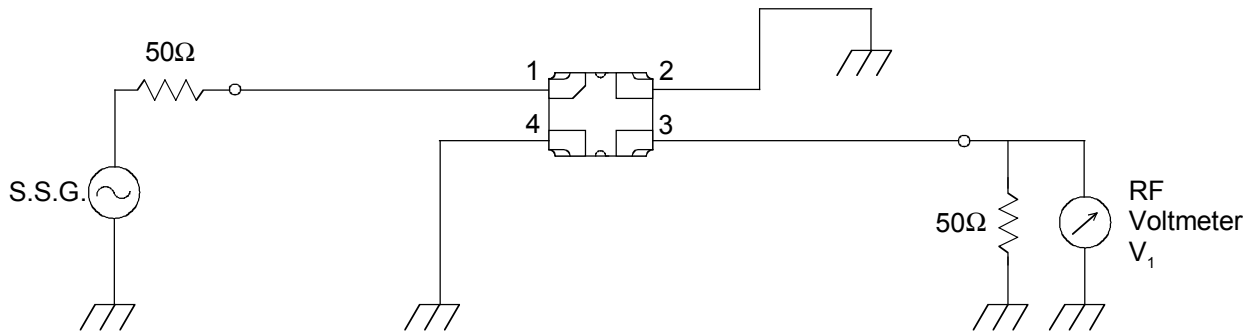
# SAW FILTER FOR GPS

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## Recommended Land Pattern



## Test Circuit



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