

## Features

- Low Insertion Loss
- High Attenuation
- Interdigital Design
- SMA Connector

## Descriptions

SMA connector mount cavity bandpass filter developed for GPS L1 band applications.

## Electrical Specifications

| Parameter                           | Unit | Specification            |
|-------------------------------------|------|--------------------------|
| Center Frequency                    | MHz  | 1575                     |
| Passband Frequency Range            | MHz  | 1541 ~ 1609              |
| Insertion Loss in Passband          | dB   | 1.5 max / 4.5 max        |
| Ripple in Passband                  | dB   | 3.5 max (p-p)            |
| Return Loss (VSWR) in Passband      | dB   | 14 min                   |
| Attenuation                         | dB   | 60 min @ 100 ~ 1522MHz   |
|                                     |      | 50 min @ 1526 ~ 1533MHz  |
|                                     |      | 70 min @ 1625 ~ 1676MHz  |
|                                     |      | 60 min @ 1686 ~ 5000MHz  |
| Group Delay Variation(1559~1610MHz) | ns   | 30 max                   |
| Input Power                         | Watt | 3 CW max                 |
| In/Out Impedance                    | Ohm  | 50                       |
| Operating Temperature               | °C   | -40 ~ +85                |
| Dimensions                          | mm   | 76 x 52 x 26 (L x W x H) |

## Mechanical Drawing

