Features
• Low Loss
• Excellent Return Loss
• Symmetrical Attenuation

Description
Surface mount, silver (Ag) coated ceramic filter. Developed for use in commercial and military GPS applications.

Weight: 14.8 grams typical

Material: Filter is composed of a ceramic block plated with Ag and a bracket made of 60-40 tin lead plated cold roll steel.

Filter complies with RoHS standards.

Electrical Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Frequency (MHz)</th>
<th>Typical @ 25°C</th>
<th>Spec. @ 25°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Passband Insertion Loss</td>
<td>1565.4-1585.4</td>
<td>0.8 dB</td>
<td>1.0 dB max</td>
</tr>
<tr>
<td>Passband Return Loss</td>
<td>1565.4-1585.4</td>
<td>16.0 dB</td>
<td>12.0 dB min</td>
</tr>
<tr>
<td>Attenuation</td>
<td>1500.4</td>
<td>32.5 dB</td>
<td>30.0 dB min</td>
</tr>
<tr>
<td></td>
<td>1650.4</td>
<td>33.5 dB</td>
<td>30.0 dB min</td>
</tr>
</tbody>
</table>

Note: Supplier shall test each filter to the critical electrical specifications of the above table. Any subsequent audits may deviate from in value due to measurement repeatability among different test systems. Such deviations shall not exceed the following limits:

<table>
<thead>
<tr>
<th>Specification Allowance</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Insertion Loss</td>
<td>0.1 dB</td>
</tr>
<tr>
<td>Return Loss</td>
<td>1.0 dB</td>
</tr>
<tr>
<td>Stopbands</td>
<td>1.0 dB</td>
</tr>
</tbody>
</table>
**Mechanical Drawing**

- 6x 3.068 x 2.032 GROUND LUG
- 2x Ø0.51 x 2.84 MAX I/O PINS
- 3x Ø1.27 x 0.76 BOSS

All dimensions in mm

**Electrical response**

![Electrical response graph]

**PCB Layout**

- 2x 2.464
- 3x 0.000
- 2x 9.677
- 3x 0.000
- 2.794
- 4.928
- 22.454
- 2x 23.622
- 3x 27.381

View looking down on filter to PC board

**Packaging and Marking**

This product is shipped in pre-formed foam trays.

7 28 Slot Foam Trays

(196 max per box)