SAW Filter 1350.0MHz

Part No: MP06329
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 10dBm
2. DC voltage: 3V
3. Operating Temperature: -25°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency Fc</td>
<td>MHz</td>
<td>-</td>
<td>1350</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss (1330 ~ 1372MHz) IL</td>
<td>dB</td>
<td>-</td>
<td>3.4</td>
<td>4.5</td>
</tr>
<tr>
<td>Absolute Group delay 1350MHz</td>
<td>ns</td>
<td>-</td>
<td>20</td>
<td>50</td>
</tr>
<tr>
<td>Group delay variation (1330 ~ 1372MHz)</td>
<td>ns</td>
<td>-</td>
<td>10</td>
<td>50</td>
</tr>
<tr>
<td>Phase variation (1330 ~ 1372MHz)</td>
<td>deg</td>
<td>-</td>
<td>5.5</td>
<td>15</td>
</tr>
<tr>
<td>Amplitude Ripple (1330 ~ 1372MHz)</td>
<td>dB</td>
<td>-</td>
<td>1.0</td>
<td>1.8</td>
</tr>
<tr>
<td>Attenuation (Reference from 0dB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fc -41MHz</td>
<td>dB</td>
<td>10</td>
<td>30</td>
<td>-</td>
</tr>
<tr>
<td>Fc +41MHz</td>
<td>dB</td>
<td>10</td>
<td>18</td>
<td>-</td>
</tr>
<tr>
<td>Fc -60MHz</td>
<td>dB</td>
<td>30</td>
<td>57</td>
<td>-</td>
</tr>
<tr>
<td>Fc +60MHz</td>
<td>dB</td>
<td>26</td>
<td>35</td>
<td>-</td>
</tr>
<tr>
<td>Fc -140MHz</td>
<td>dB</td>
<td>30</td>
<td>60</td>
<td>-</td>
</tr>
<tr>
<td>Fc +140MHz</td>
<td>dB</td>
<td>30</td>
<td>54</td>
<td>-</td>
</tr>
<tr>
<td>Fc -250MHz</td>
<td>dB</td>
<td>38</td>
<td>62</td>
<td>-</td>
</tr>
<tr>
<td>Fc +250MHz</td>
<td>dB</td>
<td>38</td>
<td>52</td>
<td>-</td>
</tr>
<tr>
<td>Temperature Coefficient of Frequency TCR</td>
<td>ppm/°C</td>
<td>-</td>
<td>-36</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

```
50Ω → SAW Filter → 50Ω
A, C, D, F
```
D. FREQUENCY CHARACTERISTICS:

![Frequency Characteristics Graph]

- Frequency Range: 1.3 GHz to 1.4 GHz
- Measured Points:
  1. 1.33000000 GHz, -3.0210 dB
  2. 1.37700000 GHz, -3.4459 dB

![Additional Frequency Characteristics Graph]

- Frequency Range: 1.5 GHz to 1.6 GHz
- Measured Points:
  1. 1.51000000 GHz, -61.032 dB
  2. 1.59000000 GHz, -57.215 dB
  3. 1.60000000 GHz, -39.071 dB
  4. 1.39100000 GHz, -15.093 dB
  5. 1.41000000 GHz, -35.824 dB
  6. 1.49000000 GHz, -54.239 dB
SAW Filter 1350.0MHz  
Model: TA0332B  
Part No: MP06329  
Rev No: 1

E. OUTLINE DRAWING:

B: Input  
E: Output  
A, C, D, F: Ground  
Unit: mm

F. PCB FOOTPRINT:
G. PACKING:

1. Reel Dimension (Please refer to FR-75D10 for packing quantity)

2. Tape Dimension
H. RECOMMENDED REFLOW PROFILE: