SAW Filter 2115.0MHz
Model: TA1490A
Part No: MP06369
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -20°C to +70°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>2115</td>
<td>-</td>
</tr>
<tr>
<td>Insertion loss IL (2110 ~ 2120MHz)</td>
<td>dB</td>
<td>-</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Amplitude ripple (2110 ~ 2120MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.4</td>
<td>2</td>
</tr>
<tr>
<td>VSWR (2110 ~ 2120MHz)</td>
<td></td>
<td>-</td>
<td>1.3</td>
<td>2.5</td>
</tr>
<tr>
<td>Attenuation (reference from 0dB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.3 ~ 1800MHz</td>
<td>dB</td>
<td>18</td>
<td>30</td>
<td>-</td>
</tr>
<tr>
<td>1915 ~ 2035MHz</td>
<td>dB</td>
<td>22</td>
<td>36</td>
<td>-</td>
</tr>
<tr>
<td>2215 ~ 4000MHz</td>
<td>dB</td>
<td>22</td>
<td>28</td>
<td>-</td>
</tr>
<tr>
<td>Source impedance Z_S</td>
<td>Ω</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>Load impedance Z_L</td>
<td>Ω</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

![Measurement Circuit Diagram]
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D. OUTLINE DRAWING:

[Diagram of outline drawing]

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

E. PCB FOOTPRINT:

[Diagram of PCB footprint]
F. FREQUENCY CHARACTERISTICS:

1. Wideband response:

   ![Wideband response graph]

2. Narrowband response:

   ![Narrowband response graph]
3. VSWR S11:

4. VSWR S22:
G. PACKING:

1. Reel Dimension (Reel Count: 7" = 1000; 13" = 3000)

2. Tape Dimension
H. RECOMMENDED REFLOW PROFILE:

![Graph showing the recommended reflow profile](image-url)