SAW Filter 918.60MHz
Part No: MP05037

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 10dBm
2. DC Voltage: 5V
3. Operating Temperature: 0°C to +80°C
4. Storage Temperature: -30°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>918.6</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss (916.8 ~ 920.4MHz) IL</td>
<td>dB</td>
<td>-</td>
<td>3.5</td>
<td>7</td>
</tr>
<tr>
<td>Amplitude Ripple (916.8 ~ 920.4MHz)</td>
<td>dB</td>
<td>-</td>
<td>1.0</td>
<td>4.5</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0dB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>715 ~ 900MHz</td>
<td>dB</td>
<td>15</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>900 ~ 915MHz</td>
<td>dB</td>
<td>2.5</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td>928 ~ 1000MHz</td>
<td>dB</td>
<td>5</td>
<td>26</td>
<td>-</td>
</tr>
<tr>
<td>1000 ~ 1500MHz</td>
<td>dB</td>
<td>15</td>
<td>40</td>
<td>-</td>
</tr>
<tr>
<td>Temperature Coefficient of Frequency</td>
<td>ppm/°C</td>
<td>-</td>
<td>-36</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

![Diagram]

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TA1449A v1
D. OUTLINE DRAWING:

2: Input
6: Output
1, 3, 4, 5, 7, 8: Ground

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

SAW Filter 918.60MHz
Part No: MP05037
Model: TA1449A
Rev No: 1

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TA1449A v1

G. PACKING:

1. Reel Dimension

2. Tape Dimension

Direction of Feed
H. RECOMMENDED REFLOW PROFILE:

![Graph showing recommended reflow profile]