SAW Filter 460MHz
Model: TA0312A
Part No: MA05224
Rev No: 1

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC voltage: 3V
3. Operating Temperature: -40°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>460</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss IL min (reference level)</td>
<td>dB</td>
<td>-</td>
<td>1.5</td>
<td>3.0</td>
</tr>
<tr>
<td>1dB Bandwidth BW -1dB</td>
<td>MHz</td>
<td>-</td>
<td>21.6</td>
<td>-</td>
</tr>
<tr>
<td>3dB Bandwidth BW -3dB</td>
<td>MHz</td>
<td>20</td>
<td>24.5</td>
<td>-</td>
</tr>
<tr>
<td>Absolute Attenuation: (Reference level from 0dB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fc -40.8 to Fc -100MHz</td>
<td>dB</td>
<td>42</td>
<td>57</td>
<td>-</td>
</tr>
<tr>
<td>Fc +40 to Fc +100MHz</td>
<td>dB</td>
<td>40</td>
<td>46</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>

Note:

IL min is the minimum of the pass band attenuation. The center frequency Fc is the mean value of the upper and lower frequencies at the 3dB filter attenuation level relative to the IL min.
C. FREQUENCY CHARACTERISTICS:

![Frequency Characteristics Diagram]

![Frequency Characteristics Diagram]

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D. MEASUREMENT CIRCUIT:

HP Network analyzer

50Ω  2  SAW Filter  6  50Ω

1, 3, 4, 5, 7, 8

E. OUTLINE DRAWING:

2: Input
6: Output
1, 3, 4, 5, 7, 8: Ground
Unit: mm
F. PACKING:

1. REEL DIMENSION

2. TAPE DIMENSION