A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC voltage: 3V
3. Operating Temperature: 0°C to +50°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>465</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss IL min (reference level)</td>
<td>dB</td>
<td>-</td>
<td>1.45</td>
<td>2.9</td>
</tr>
<tr>
<td>2dB Bandwidth BW -2dB</td>
<td>MHz</td>
<td>20</td>
<td>23.5</td>
<td>-</td>
</tr>
<tr>
<td>Absolute Attenuation: (Reference level from 0dB)</td>
<td>dB</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>Fc -45 to Fc -100MHz</td>
<td>dB</td>
<td>40</td>
<td>56</td>
<td>-</td>
</tr>
<tr>
<td>Fc +45 to Fc +55MHz</td>
<td>dB</td>
<td>30</td>
<td>56</td>
<td>-</td>
</tr>
<tr>
<td>Fc +55 to Fc +100MHz</td>
<td>dB</td>
<td>40</td>
<td>55</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 2dB filter attenuation level relative to the IL min.
C. FREQUENCY CHARACTERISTICS:
RF SAW Filter 465MHz
Model: TA0313A
Part No: MA05225
Rev No: 2

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

![Reel Dimension Diagram]

2. TAPE DIMENSION

![Tape Dimension Diagram]