SAW Filter 1350.0MHz  
Part No: MA06191

Model: TA0332A  
Rev No: 1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC voltage: 3 V
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 1342.5 ~ 1357.5MHz</td>
<td>dB</td>
<td>-</td>
<td>2.6</td>
<td>4.5</td>
</tr>
<tr>
<td>Absolute Group delay 1350MHz</td>
<td>ns</td>
<td>-</td>
<td>22</td>
<td>50</td>
</tr>
<tr>
<td>Group delay variation Fc ± 4MHz</td>
<td>ns</td>
<td>-</td>
<td>7</td>
<td>30</td>
</tr>
<tr>
<td>Phase variation Fc ± 4MHz</td>
<td>Deg</td>
<td>-</td>
<td>2.5</td>
<td>15</td>
</tr>
<tr>
<td>Amplitude ripple (p-p) Fc ± 4MHz</td>
<td>dB</td>
<td>-</td>
<td>0.2</td>
<td>1.3</td>
</tr>
</tbody>
</table>

Rejection

| Fc -41MHz                               | dB     | 10   | 33   | -    |
| Fc +41MHz                               | dB     | 10   | 16   | -    |
| Fc -60MHz                               | dB     | 30   | 57   | -    |
| Fc +60MHz                               | dB     | 26   | 34   | -    |
| Fc -140MHz                              | dB     | 30   | 60   | -    |
| Fc +140MHz                              | dB     | 30   | 52   | -    |
| Fc -250MHz                              | dB     | 38   | 60   | -    |
| Fc +250MHz                              | dB     | 38   | 47   | -    |

Source impedance Z_S  
Ω  -  50  -

Load impedance Z_L  
Ω  -  50  -

Note: No matching network required for operation at 50Ω
C. FREQUENCY CHARACTERISTICS:

Transfer Function

![Graph 1](1350MHz)

![Graph 2](1350MHz)
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Group Delay

![Group Delay Graph]

Phase linearity

![Phase Linearity Graph]
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D. MEASUREMENT CIRCUIT:

HP Network analyzer

![Measurement Circuit Diagram]

E. OUTLINE DRAWING:

![Outline Drawing]

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

1. REEL DIMENSION

2. TAPE DIMENSION