SAW Filter 159.16250MHz  Model: TA0395A
Part No: MA06510  Rev No: 3

A. MAXIMUM RATING:

1. Input Power Level: 20dBm
2. DC voltage: 5V
3. Operating Temperature: -30°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>159.1625</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss 156.3 ~ 162.025MHz IL</td>
<td>dB</td>
<td>-</td>
<td>2.3</td>
<td>3.8</td>
</tr>
<tr>
<td>Attenuation (Reference from 0dB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fc -50 ~ Fc -30MHz</td>
<td>dB</td>
<td>42</td>
<td>57</td>
<td>-</td>
</tr>
<tr>
<td>Fc -30 ~ Fc -15MHz</td>
<td>dB</td>
<td>36</td>
<td>55</td>
<td>-</td>
</tr>
<tr>
<td>Fc +30 ~ Fc +50MHz</td>
<td>dB</td>
<td>42</td>
<td>55</td>
<td>-</td>
</tr>
<tr>
<td>Source impedance ZS</td>
<td>Ω</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>Load impedance ZL</td>
<td>Ω</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
</tbody>
</table>
C. FREQUENCY CHARACTERISTICS:

![Graph 1]

![Graph 2]
D. MEASUREMENT CIRCUIT:

HP Network analyzer

50Ω  7  SAW Filter  2  50Ω

1, 3, 4, 5, 6, 8, 9, 10

E. OUTLINE DRAWING:

7: Input
2: Output
1, 3, 4, 5, 6, 8, 9, 10: Ground
Unit: mm
SAW Filter 159.16250MHz
Part No: MA06510
Rev No: 3

F. PCB FOOTPRINT:
G. PACKING:

1. Reel Dimension

2. Tape Dimension
H. RECOMMENDED REFLOW PROFILE:

![Graph showing recommended reflow profile with temperature on the y-axis and time on the x-axis.]