SAW Filter 469.0MHz  
Model: TA1063A  
Part No: MP03747  
Rev No: 1

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC Voltage: 3 V
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>469</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss (462 ~ 476MHz) IL</td>
<td>dB</td>
<td>-</td>
<td>2</td>
<td>3.5</td>
</tr>
<tr>
<td>Amplitude Ripple (462 ~ 476MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.7</td>
<td>1.6</td>
</tr>
</tbody>
</table>

Attenuation (Reference level from 0dB)

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fc -459 ~ Fc -98MHz</td>
<td>dB</td>
<td>45</td>
<td>54</td>
<td>-</td>
</tr>
<tr>
<td>Fc -97 ~ Fc -83MHz</td>
<td>dB</td>
<td>45</td>
<td>53</td>
<td>-</td>
</tr>
<tr>
<td>Fc -82 ~ Fc -44MHz</td>
<td>dB</td>
<td>45</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>Fc -42.8MHz</td>
<td>dB</td>
<td>45</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>Fc -42 ~ Fc -34MHz</td>
<td>dB</td>
<td>45</td>
<td>49</td>
<td>-</td>
</tr>
<tr>
<td>Fc +41 ~ Fc +56MHz</td>
<td>dB</td>
<td>30</td>
<td>46</td>
<td>-</td>
</tr>
<tr>
<td>Fc +56 ~ Fc +531MHz</td>
<td>dB</td>
<td>35</td>
<td>41</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

[Diagram]

50Ω  2  6  50Ω
1, 3, 4, 5, 7, 8
D. OUTLINE DRAWING:

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

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

![Frequency Characteristics Diagram](image-url)
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![Graph showing frequency response of SAW Filter 469.0MHz with data points and frequency lines.]
G. PACKING:

1. Reel Dimension

2. Tape Dimension
H. RECOMMENDED REFLOW PROFILE:

![Recommended Reflow Profile Graph]

- Temperature (°C) vs Time (Sec) graph is shown.
- The graph indicates a temperature profile for reflow soldering.
- The recommended profile starts with a rapid rise, holds at a high temperature, then slowly reduces to a lower temperature.

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