SAW Filter 184.0MHz  
Model: TA0378A  
Part No: MA06029  
Rev No: 1

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC voltage: 5V
3. Operating Temperature: -10°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>184</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss IL min (reference level)</td>
<td>dB</td>
<td>-</td>
<td>1.6</td>
<td>2.8</td>
</tr>
<tr>
<td>Bandwidth BW -3dB</td>
<td>MHz</td>
<td>6</td>
<td>10</td>
<td>-</td>
</tr>
<tr>
<td>Absolute Attenuation (reference to IL min dB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fc -50 ~ Fc -30MHz</td>
<td>dB</td>
<td>42</td>
<td>54</td>
<td>-</td>
</tr>
<tr>
<td>Fc 30 ~ Fc -15MHz</td>
<td>dB</td>
<td>36</td>
<td>52</td>
<td>-</td>
</tr>
<tr>
<td>Fc +30 ~ Fc +50MHz</td>
<td>dB</td>
<td>42</td>
<td>51</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:
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**D. MEASUREMENT CIRCUIT:**

HP Network analyzer

50Ω 7 SAW Filter 2 50Ω
1, 3, 4, 5, 6, 8, 9, 10

**E. OUTLINE DRAWING:**

Pin configuration:
7: Input
2: Output
1, 3, 4, 5, 6, 8, 9, 10: Ground
□: Date Code
Unit: mm

**F. PCB FOOTPRINT:**
G. PACKING:

1. REEL DIMENSION

2. TAPE DIMENSION