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>169</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>9.2</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:

![Graph 1](image1)

![Graph 2](image2)
SAW Filter 169.0MHz
Model: TA0377A
Part No: MA06028
Rev No: 1

D. MEASUREMENT CIRCUIT:

![Measurement Circuit Diagram]

E. OUTLINE DRAWING:

![Outline Drawing]

7: Input
2: Output
1, 3, 4, 5, 6, 8, 9, 10: Ground
Unit: mm

F. PCB FOOTPRINT:

![PCB Footprint Diagram]
G. PACKING:

1. REEL DIMENSION

![Reel Dimension Diagram]

2. TAPE DIMENSION

![Tape Dimension Diagram]