A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC voltage: 3V
3. Operating Temperature: 0°C to +50°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>475</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss 469 ~ 481MHz IL</td>
<td>dB</td>
<td>-</td>
<td>2.1</td>
<td>3.3</td>
</tr>
<tr>
<td>Ripple 469 ~ 481MHz</td>
<td>MHz</td>
<td>-</td>
<td>0.7</td>
<td>1.7</td>
</tr>
</tbody>
</table>

Absolute 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 -45 to Fc -100MHz</td>
<td>dB</td>
<td>38</td>
<td>60</td>
<td>-</td>
</tr>
<tr>
<td>Fc +45 to Fc +55MHz</td>
<td>dB</td>
<td>30</td>
<td>58</td>
<td>-</td>
</tr>
<tr>
<td>Fc +55 to Fc +100MHz</td>
<td>dB</td>
<td>40</td>
<td>58</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. MEASUREMENT CIRCUIT:

HP Network analyzer

```
50Ω ——— 2 ——— SAW Filter ——— 6 ——— 50Ω
```

1, 3, 4, 5, 7, 8
D. FREQUENCY CHARACTERISTICS:

![Frequency Characteristics Graph]

![Frequency Characteristics Graph]
SAW Filter 475.0MHz
Model: TA0568A
Part No: MA07762
Rev No: 1

E. OUTLINE DRAWING:

F. PCB FOOTPRINT:

2: Input
6: Output
1, 3, 4, 5, 7, 8: Ground
Unit: mm
G. PACKING:

1. Reel Dimension

2. Tape Dimension

Direction of Feed
H. RECOMMENDED REFLOW PROFILE:

![Reflow Profile Graph](image-url)