A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC voltage: 3V
3. Operating Temperature: -20°C to 70°C
4. Storage Temperature: -40°C to +85°C

B. 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 $F_c$ MHz</td>
<td></td>
<td>-</td>
<td>900</td>
<td>-</td>
</tr>
<tr>
<td>Insertion loss 885 ~ 915MHz IL</td>
<td>dB</td>
<td>-</td>
<td>2.6</td>
<td>4.4</td>
</tr>
<tr>
<td>Amplitude ripple 885 ~ 915MHz</td>
<td>dB</td>
<td>-</td>
<td>0.9</td>
<td>2.0</td>
</tr>
<tr>
<td>Passband Bandwidth 2dB BW</td>
<td>MHz</td>
<td>30</td>
<td>42</td>
<td>-</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0dB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>750MHz</td>
<td>dB</td>
<td>40</td>
<td>64</td>
<td>-</td>
</tr>
<tr>
<td>855MHz</td>
<td>dB</td>
<td>30</td>
<td>61</td>
<td>-</td>
</tr>
<tr>
<td>945MHz</td>
<td>dB</td>
<td>25</td>
<td>33</td>
<td>-</td>
</tr>
<tr>
<td>1050MHz</td>
<td>dB</td>
<td>40</td>
<td>58</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: No matching network required for operation at 50Ω
C. FREQUENCY CHARACTERISTICS:

Wideband

- Frequency: 900.0MHz
- Model: TA0909A
- Part No: MP02267
- Rev No: 1

Graph showing frequency characteristics of the SAW Filter.
D. MEASUREMENT CIRCUIT:

HP Network analyzer

50Ω

SAW Filter

50Ω

A, C, D, F

E. OUTLINE DRAWING:

B: Input
E: Output
A, C, D, F: Ground
Unit: mm

F. PCB FOOTPRINT:
G. PACKING:

1. Reel Dimension

![Reel Dimension Diagram]

2. Tape Dimension

![Tape Dimension Diagram]

Section A-A

Direction of Feed