A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC voltage: 0V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Center frequency Fc (dB)</td>
<td>-</td>
<td>1030</td>
<td>-</td>
</tr>
<tr>
<td>Insertion loss within 1015 ~ 1045MHz IL (dB)</td>
<td>-</td>
<td>2.3</td>
<td>3.0</td>
</tr>
<tr>
<td>Amplitude ripple (p-p) within1025 ~ 1035MHz (dB)</td>
<td>-</td>
<td>0.25</td>
<td>1.0</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0dB)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DC ~ 910MHz (dB)</td>
<td>25.0</td>
<td>29.5</td>
<td>-</td>
</tr>
<tr>
<td>1090 ~ 1300MHz (dB)</td>
<td>25.0</td>
<td>32.5</td>
<td>-</td>
</tr>
<tr>
<td>VSWR within 1015 ~ 1045MHz</td>
<td>-</td>
<td>1.8</td>
<td>2.1</td>
</tr>
<tr>
<td>Source impedance Z_S (Ω)</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>Load impedance Z_L (Ω)</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
</tbody>
</table>

Note1. No matching network required for operation at 50Ω

C. MEASUREMENT CIRCUIT:

```
HP Network analyzer

50Ω   SAW Filter   50Ω
   B                      E
A, C, D, F
```
D. FREQUENCY CHARACTERISTICS:

![Graph showing frequency characteristics of the 1030MHz SAW Filter model TA0177A.](image-url)
Reflections Functions

\[ S_{11} \]

\[ S_{22} \]
E. OUTLINE DRAWING:

F. PCB FOOTPRINT:
G. PACKING:

1. REEL DIMENSION

![Reel Dimension Diagram]

2. TAPE DIMENSION

![Tape Dimension Diagram]
H. RECOMMENDED REFLOW PROFILE:

[Graph showing temperature vs. time for reflow profile]