SAW Filter 920.0MHz  
Part No: MA08971  
Model: TA0666A*  
REV. NO.: 1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm  
2. DC Voltage : 3V  
3. Operating Temperature: -30°C to +85°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>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center Frequency</td>
<td>Fc</td>
<td>MHz</td>
<td>920</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss (900 ~ 940 MHz)</td>
<td>IL</td>
<td>dB</td>
<td>3.9</td>
<td>4.8</td>
<td>-</td>
</tr>
<tr>
<td>Amplitude Ripple (variation over 3MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.3</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>VSWR (900 ~ 940 MHz)</td>
<td></td>
<td></td>
<td>1.7</td>
<td>2.5</td>
<td>-</td>
</tr>
<tr>
<td>Group Delay Ripple (variation over 3MHz)</td>
<td>ns</td>
<td>-</td>
<td>15</td>
<td>30</td>
<td>-</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0 dB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D.C. ~ 850 MHz</td>
<td>dB</td>
<td>40</td>
<td>53</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>850 ~ 880 MHz</td>
<td>dB</td>
<td>20</td>
<td>48</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>960 ~ 1000 MHz</td>
<td>dB</td>
<td>20</td>
<td>29</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>1000 ~ 2000 MHz</td>
<td>dB</td>
<td>40</td>
<td>49</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

[Diagram of measurement circuit]

HP Network analyzer

50Ω  SAW Filter  50Ω

A, C, D, F
SAW Filter 920.0MHz
Model: TA0666A*
Part No: MA08971

D. OUTLINE DRAWING:

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

E. PCB Footprint:
F. FREQUENCY CHARACTERISTICS:

\[ \text{Graph showing frequency characteristics.} \]
SAW Filter 920.0MHz
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Reflection Functions:

S11

S22
G. PACKING:

1. REEL DIMENSION
   (Reel Count: 7"=1000; 13"=3000)

2. TAPE DIMENSION
H. RECOMMENDED REFLOW PROFILE:

![Graph showing recommended reflow profile with temperature on the Y-axis and time on the X-axis.]}
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