SAW Filter 2441.80MHz  
Model: TA1468A  
Part No: MP05028  
Rev No: 2

A. MAXIMUM RATING:  

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 10dBm  
2. DC Voltage: 3V  
3. Operating Temperature: -30°C to +85°C  
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

1. Terminating source impedance: \( Z_S = 50\Omega \)  
2. Terminating load impedance: \( Z_L = 50\Omega \)

<table>
<thead>
<tr>
<th>Parameters Description</th>
<th>Unit</th>
<th>Minimum</th>
<th>Typical</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center Frequency (( F_0 ))</td>
<td>MHz</td>
<td>-</td>
<td>2441.8</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss within 2400.0 ~ 2483.5 MHz</td>
<td>dB</td>
<td>-</td>
<td>1.8</td>
<td>2.8</td>
</tr>
<tr>
<td>Amplitude Ripple within 2400.0 ~ 2483.5 MHz</td>
<td>dB</td>
<td>-</td>
<td>1.0</td>
<td>2.0</td>
</tr>
<tr>
<td>Attenuation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D.C ~ 1700.0 MHz</td>
<td>dB</td>
<td>20</td>
<td>23</td>
<td>-</td>
</tr>
<tr>
<td>1700.0 ~ 2200.0 MHz</td>
<td>dB</td>
<td>20</td>
<td>23</td>
<td>-</td>
</tr>
<tr>
<td>2700.0 ~ 3100.0 MHz</td>
<td>dB</td>
<td>20</td>
<td>26</td>
<td>-</td>
</tr>
<tr>
<td>3100.0 ~ 4000.0 MHz</td>
<td>dB</td>
<td>23</td>
<td>27</td>
<td>-</td>
</tr>
<tr>
<td>4000.0 ~ 6000.0 MHz</td>
<td>dB</td>
<td>20</td>
<td>28</td>
<td>-</td>
</tr>
<tr>
<td>VSWR within 2400.0 ~ 2483.5 MHz</td>
<td></td>
<td>-</td>
<td>1.9</td>
<td>2.3</td>
</tr>
</tbody>
</table>

Notes: (1) No Matching Network (Ref. Testing Environment Circuit as shown below).
C. FREQUENCY CHARACTERISTICS:

1. Frequency Response
2. VSWR

![VSWR Graphs]

3. Smith Chart

![Smith Chart Graphs]
D. OUTLINE DRAWING:

E. MEASUREMENT CIRCUIT:

Source & Load Impedance: 50Ω
F. PACKING:

1. Reel Dimension (Please refer to FR-75D10 for packing quantity)

2. Tape Dimension

Direction of Feed
G. RECOMMENDED REFLOW PROFILE:

![Graph showing recommended reflow profile with temperature on the y-axis and time on the x-axis.](image)

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