A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC voltage: 3V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +95°C

B. ELECTRICAL CHARACTERISTICS:

<table>
<thead>
<tr>
<th>Item</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency Fc (dB)</td>
<td>-</td>
<td>1747.5</td>
<td>-</td>
</tr>
<tr>
<td>Insertion loss within 1710 ~ 1785MHz IL (dB)</td>
<td>-</td>
<td>3.7</td>
<td>4.4</td>
</tr>
<tr>
<td>Amplitude ripple (p-p) within 1710 ~ 1785MHz (dB)</td>
<td>-</td>
<td>1.8</td>
<td>2.5</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0dB)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DC ~ 1670MHz (dB)</td>
<td>20</td>
<td>23</td>
<td>-</td>
</tr>
<tr>
<td>1805 ~ 1880MHz (dB)</td>
<td>10</td>
<td>35</td>
<td>-</td>
</tr>
<tr>
<td>1880 ~ 3500MHz (dB)</td>
<td>23</td>
<td>26</td>
<td>-</td>
</tr>
<tr>
<td>VSWR within 1710 ~ 1785MHz</td>
<td>-</td>
<td>2</td>
<td>2.4</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>

Note 1. No matching network required for operation at 50Ω

C. MEASUREMENT CIRCUIT:
D. OUTLINE DRAWING:

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

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

Transfer function

![Graph of Frequency Characteristics](image-url)
Reflections Functions

S11 VSWR

S22 VSWR
G. PACKING:

1. REEL DIMENSION

2. TAPE DIMENSION
SAW Filter 1747.5MHz  
Model: TA0656A  
Part No: MA08961  
Rev No: 1

H. RECOMMENDED REFLOW PROFILE:

![Graph showing the recommended reflow profile for the SAW Filter 1747.5MHz. The graph includes a line plot with temperature (Deg C) on the y-axis and time (Sec) on the x-axis. The temperature ranges from 20 to 280 degrees Celsius, and the time ranges from 0 to 360 seconds. The profile shows an initial rapid rise, followed by a plateau, and then a gradual decrease.](image)