SAW Filter 464.0MHz
Model: TA1088A
Part No: MP03926
Rev No: 1

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°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>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency Fc</td>
<td>MHz</td>
<td>-</td>
<td>464</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss (458 ~ 470MHz) IL</td>
<td>dB</td>
<td>-</td>
<td>2.1</td>
<td>3.5</td>
</tr>
<tr>
<td>Amplitude Ripple (458 ~ 470MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.8</td>
<td>1.6</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0dB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fc -454 ~ Fc -44MHz</td>
<td>dB</td>
<td>45</td>
<td>51</td>
<td>-</td>
</tr>
<tr>
<td>Fc -42.8MHz</td>
<td>dB</td>
<td>45</td>
<td>51</td>
<td>-</td>
</tr>
<tr>
<td>Fc +46 ~ Fc +246MHz</td>
<td>dB</td>
<td>45</td>
<td>48</td>
<td>-</td>
</tr>
<tr>
<td>Fc +246 ~ Fc +536MHz</td>
<td>dB</td>
<td>35</td>
<td>41</td>
<td>-</td>
</tr>
</tbody>
</table>
C. MEASUREMENT CIRCUIT:

HP Network analyzer

![Measurement Circuit Diagram]

D. OUTLINE DRAWING:

![Outline Drawing Diagram]

2: Input
6: Output
1, 3, 4, 5, 7, 8: Ground

E. PCB FOOTPRINT:

![PCB Footprint Diagram]
F. FREQUENCY CHARACTERISTICS:

![Graph of frequency characteristics]

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**Golledge Electronics Ltd**
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Graph showing the frequency response of the SAW Filter 464.0MHz with the following key points:

1. 460.500000 MHz: -52.335 dB
2. 462.000000 MHz: -51.000 dB
3. 510.000000 MHz: -59.711 dB
4. 710.000000 MHz: -60.615 dB

Graph settings:
- Start: 10 MHz
- Step: 1 MHz
- Stop: 3 GHz
- Chart 1
G. PACKING:

1. REEL DIMENSION

2. TAPE DIMENSION
H. RECOMMENDED REFLOW PROFILE:

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