SAW Filter 433.50MHz
Part No: MP04028

Model: TA0708A
Rev No: 1

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC voltage: 3V
3. Operating Temperature: -10°C to 60°C
4. Storage Temperature: -30°C to +85°C

B. 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>MH</td>
<td>-</td>
<td>433.5</td>
<td>-</td>
</tr>
<tr>
<td>Insertion loss Fc ± 1.6 MHz IL</td>
<td>dB</td>
<td>-</td>
<td>2.2</td>
<td>4.0</td>
</tr>
<tr>
<td>Amplitude ripple Fc ± 1.6MHz</td>
<td>dB</td>
<td>-</td>
<td>0.5</td>
<td>2.0</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0dB)</td>
<td>dB</td>
<td>8</td>
<td>34</td>
<td>-</td>
</tr>
<tr>
<td>421.2 ~ 424.4MHz</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>388.6 ~ 391.08MHz</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>474.2 ~ 477.4MHz</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Source impedance Z_s</td>
<td>Ω</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>Load impedance Z_l</td>
<td>Ω</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
</tbody>
</table>

Note: No matching network required for operation at 50Ω

C. MEASUREMENT CIRCUIT:

HP Network analyzer

![Measurement Circuit Diagram]

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

Transfer Function

![Graph of frequency characteristics](image-url)
SAW Filter 433.50MHz
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E. OUTLINE DRAWING:

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

F. PCB FOOTPRINT:
G. PACKING:

1. Reel Dimension

2. Tape Dimension
H. RECOMMENDED REFLOW PROFILE:

![Recommended Reflow Profile](image-url)