SAW Filter 455.0 MHz
Part No: MP01856

A. MAXIMUM RATING:

Electrostatic Sensitive Device

1. Input Power Level: 0dBm
2. DC voltage: 5V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

TA = -40°C to +85°C

<table>
<thead>
<tr>
<th>Item</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency Fc (MHz)</td>
<td>-</td>
<td>455</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>Minimum IL (dB) IL min</td>
<td>-</td>
<td>3</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Pass band (relative to IL min)</td>
<td>-</td>
<td>0.7</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Pass bandwidth (relative to IL min) BW3 (kHz)</td>
<td>500</td>
<td>955</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

Attenuation:( relative to IL min) (dB)

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 ~ 432.2MHz</td>
<td>40</td>
<td>45</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>432.2 ~ 443MHz</td>
<td>40</td>
<td>45</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>443 ~ 453.8MHz</td>
<td>15</td>
<td>23</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>456.3 ~ 466MHz</td>
<td>10</td>
<td>16</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>466 ~ 478MHz</td>
<td>38</td>
<td>43</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>478 ~ 1000MHz</td>
<td>40</td>
<td>45</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

Note. 1: The standard definition is in JIS C 6703.
SAW Filter 455.0 MHz
Part No: MP01856
Model: TA0472A
Rev No: 2

C. FREQUENCY CHARACTERISTICS:

![Frequency Characteristic 1](image1)

![Frequency Characteristic 2](image2)
SAW Filter 455.0 MHz
Part No: MP01856

D. MEASUREMENT CIRCUIT:

HP Network analyzer

50Ω  
8pF
60nH
SAW Filter
60nH
8pF
1, 3, 4, 5, 7, 8

E. OUTLINE DRAWING:

Pin2: Input
Pin6: Output
Pin1,3,4,5,7,8 to be ground

Unit: mm

F. PCB FOOTPRINT:
G. PACKING:

1. Reel Dimension

2. Tape Dimension

Direction of feed