SAW Filter 704.0MHz  Model: TA1360A
Part No: MP06353  Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 10dBm
2. DC voltage: 5V
3. Operating Temperature: -30°C to 60°C
4. Storage Temperature: -40°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>MHz</td>
<td>-</td>
<td>704</td>
<td>-</td>
</tr>
<tr>
<td>Amplitude ripple (692 ~ 716MHz)</td>
<td>dB</td>
<td>-</td>
<td>1.3</td>
<td>1.7</td>
</tr>
<tr>
<td>Insertion loss, IL (692 ~ 716MHz)</td>
<td>dB</td>
<td>-</td>
<td>2.3</td>
<td>3.0</td>
</tr>
<tr>
<td>Group Delay, GD (692 ~ 716MHz)</td>
<td>ns</td>
<td>-</td>
<td>63</td>
<td>200</td>
</tr>
<tr>
<td>Bandwidth @ -3dB</td>
<td></td>
<td>24</td>
<td>30</td>
<td>-</td>
</tr>
</tbody>
</table>

| Attenuation (reference from 0dB)   |      |      |      |      |
| 0.3 ~ 629MHz                      | dB   | 40   | 65   | -    |
| 629 ~ 673MHz                      | dB   | 10   | 55   | -    |
| 765 ~ 794MHz                      | dB   | 10   | 55   | -    |
| 794 ~ 1004MHz                     | dB   | 40   | 65   | -    |
| 1004 ~ 1154MHz                    | dB   | 50   | 64   | -    |
| Source impedance ZS               | Ω    | -    | 50   | -    |
| Load impedance ZL                 | Ω    | -    | 50   | -    |

Note: No matching network required for operation at 50Ω
C. FREQUENCY CHARACTERISTICS:

Transfer Function

1. Wideband

![Wideband Transfer Function Graph]

2. Passband

![Passband Transfer Function Graph]
SAW Filter 704.0MHz
Model: TA1360A
Part No: MP06353
Rev No: 1

D. MEASUREMENT CIRCUIT:

![Measurement Circuit Diagram]

E. OUTLINE DRAWING:

![Outline Drawing]

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

1. Reel Dimension

2. Tape Dimension

Direction of Feed
SAW Filter 704.0MHz
Model: TA1360A
Part No: MP06353
Rev No: 1

G. RECOMMENDED REFLOW PROFILE:

![Temperature vs Time Graph](image-url)