A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

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

B. ELECTRICAL CHARACTERISTICS:

1. Terminating source impedance: \( Z_S = 50\,\Omega \)
2. Terminating load impedance: \( Z_L = 50\,\Omega \)

<table>
<thead>
<tr>
<th>Parameters Description</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>1740</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss within 1710.0 ~ 1770.0MHz</td>
<td>dB</td>
<td>-</td>
<td>1.5</td>
<td>2.7</td>
</tr>
<tr>
<td>Amplitude Ripple within 1710.0 ~ 1770.0MHz</td>
<td>dB p-p</td>
<td>-</td>
<td>0.7</td>
<td>1.8</td>
</tr>
</tbody>
</table>

**Attenuation:**

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Unit</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>800.0 ~ 1355.0MHz</td>
<td>dB</td>
<td>30</td>
<td>37</td>
<td>-</td>
</tr>
<tr>
<td>1574.0 ~ 1577.0MHz</td>
<td>dB</td>
<td>30</td>
<td>52</td>
<td>-</td>
</tr>
<tr>
<td>1600.0 ~ 1680.0MHz</td>
<td>dB</td>
<td>12</td>
<td>22</td>
<td>-</td>
</tr>
<tr>
<td>1805.0 ~ 1880.0MHz</td>
<td>dB</td>
<td>17</td>
<td>24</td>
<td>-</td>
</tr>
<tr>
<td>1930.0 ~ 1990.0MHz</td>
<td>dB</td>
<td>30</td>
<td>36</td>
<td>-</td>
</tr>
<tr>
<td>2110.0 ~ 2170.0MHz</td>
<td>dB</td>
<td>30</td>
<td>44</td>
<td>-</td>
</tr>
<tr>
<td>VSWR within 1710.0 ~ 1770.0MHz</td>
<td>-</td>
<td>2.0</td>
<td>2.5</td>
<td></td>
</tr>
</tbody>
</table>

Notes: (1) With Matching Network (Ref. Testing Environment Circuit as shown below).
C. FREQUENCY CHARACTERISTICS:

1. Frequency Response

![Graph 1: Frequency Response](image1)

![Graph 2: Frequency Response](image2)
2. VSWR

![VSWR Graph]

3. Ripple

![Ripple Graph]
4. Smith Chart

![Smith Chart Image]

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**SAW Filter: 1740.0MHz**

**Model: TA1695A**

**Part No: MP07465**

**Rev No: 2**
D. OUTLINE DRAWING:

![Outline Diagram]

B, C, E: Ground
A: Input
D: Output

E. MEASUREMENT CIRCUIT:

![Measurement Circuit Diagram]

Source & Load Impedance: 50Ω
F. PACKING:

1. Reel Dimension (Please refer to FR-75D10 for packing quantity)

2. Tape Dimension
SAW Filter: 1740.0MHz
Model: TA1695A
Part No: MP07465
Rev No: 2

G. RECOMMENDED REFLOW PROFILE:

![Reflow Profile Graph](graph.png)