SAW Filter 1725.0MHz
Part No: MP07460

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

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>1725</td>
<td>-</td>
</tr>
<tr>
<td>Insertion loss (1715 ~ 1735MHz) IL</td>
<td>dB</td>
<td>-</td>
<td>1.8</td>
<td>3.0</td>
</tr>
<tr>
<td>Amplitude ripple (1715 ~ 1735MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.4</td>
<td>1.8</td>
</tr>
<tr>
<td>VSWR (1715 ~ 1735 MHz)</td>
<td>-</td>
<td>-</td>
<td>1.7</td>
<td>2.0</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0dB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 ~ 1630MHz</td>
<td>dB</td>
<td>28</td>
<td>35</td>
<td>-</td>
</tr>
<tr>
<td>1830 ~ 2500MHz</td>
<td>dB</td>
<td>34</td>
<td>39</td>
<td>-</td>
</tr>
<tr>
<td>Temperature coefficient of frequency</td>
<td>ppm/k</td>
<td>-</td>
<td>-36</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

```
50Ω  B  SAW Filter  E  50Ω
  A, C, D, F
```
SAW Filter 1725.0MHz  
Model: TA1669A  
Part No: MP07460  
Rev No: 1

D. OUTLINE DRAWING:

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

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

![Frequency Characteristics Diagram](image-url)

- Center: 1.725 GHz
- IFBW: 70 kHz
- Span: 50 MHz

![Frequency Characteristics Diagram](image-url)

- Start: 10 MHz
- IFBW: 70 kHz
- Stop: 2.5 GHz
Reflection Functions

S11

S22
G. PACKING:

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

2. Tape Dimension
H. RECOMMENDED REFLOW PROFILE:

![Graph showing the recommended reflow profile with temperature (Deg C) on the y-axis and time (Sec) on the x-axis. The profile peaks at approximately 220°C and 240°C at different times.]