SAW Filter 1732.50MHz
Part No: MP01570

A. MAXIMUM RATING:

1. Input Power Level: 13dBm
2. DC Voltage: 3V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +95°C

B. ELECTRICAL CHARACTERISTICS:

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center Frequency Fc</td>
<td>MHz</td>
<td>-</td>
<td>1732.5</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss (1710 ~ 1755MHz) IL</td>
<td>dB</td>
<td>-</td>
<td>2.5</td>
<td>3.5</td>
<td>-</td>
</tr>
<tr>
<td>Amplitude Ripple (1710 ~ 1755MHz)</td>
<td>dB</td>
<td>-</td>
<td>1.1</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>VSWR (1710 ~ 1755MHz)</td>
<td></td>
<td>-</td>
<td>1.6</td>
<td>2.5</td>
<td>-</td>
</tr>
</tbody>
</table>

Attenuation (Reference level from 0dB)

<table>
<thead>
<tr>
<th></th>
<th>dB</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>1500 ~ 1670MHz</td>
<td>25</td>
<td>37</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>1795 ~ 2000MHz</td>
<td>25</td>
<td>40</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

![Circuit Diagram]
SAW Filter 1732.50MHz
Model: TA0755A
Part No: MP01570
Rev. No: 1

D. OUTLINE DRAWING:

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

[Graph showing frequency characteristics with peaks and valleys indicating the frequency response of the SAW Filter 1732.50MHz Model: TA0755A Part No: MP01570 Rev. No: 1]
Reflection Functions

S11

![Graph of Reflection Functions S11]

Reflection Functions

S11

![Graph of Reflected Smith Chart S11]

Reflection Functions

S11

![Graph of Reflection Functions S11]
SAW Filter 1732.50MHz  Model: TA0755A
Part No: MP01570  Rev. No: 1

S22

1. Center 1.7325 GHz
2. 1.750000 GHz  1.2997

TFBW 1 kHz
Span 200 MHz

1. Center 1.7325 GHz
2. 1.750000 GHz

TFBW 1 kHz
Span 200 MHz

TA0755A v1.0
G. PACKING:

1. Reel Dimension (Reel Count: 7" = 1000; 13" = 3000)

2. Tape Dimension
H. RECOMMENDED REFLOW PROFILE: