1765.0MHz SAW Filter

Part No: MA09880

Model: TA0702A

A. MAXIMUM RATING:
1. Input Power Level: 10 dBm
2. DC Voltage: 3V
3. Operating Temperature: -20°C to +75°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>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center Frequency</td>
<td>MHz</td>
<td>-</td>
<td>1765</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss (1750 ~ 1780 MHz)</td>
<td>IL</td>
<td>-</td>
<td>2</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Amplitude Ripple (1750 ~ 1780 MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.5</td>
<td>1.8</td>
<td>-</td>
</tr>
<tr>
<td>VSWR (1750 ~ 1780 MHz)</td>
<td></td>
<td>-</td>
<td>1.45</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0 dB)</td>
<td>dB</td>
<td>30</td>
<td>35.5</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>1350 ~ 1380 MHz</td>
<td></td>
<td>28</td>
<td>37.5</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>1660 ~ 1690 MHz</td>
<td></td>
<td>30</td>
<td>46</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>1840 ~ 1870 MHz</td>
<td></td>
<td>30</td>
<td>42</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2150 ~ 2180 MHz</td>
<td></td>
<td>30</td>
<td>42</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

50Ω A, C, D, F

SAW Filter

50Ω
1765.0MHz SAW Filter
Model: TA0702A
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D. OUTLINE DRAWING:

E. PCB FOOTPRINT:
1765.0MHz SAW Filter
Part No: MA09880

F. FREQUENCY CHARACTERISTICS:

Graph showing frequency characteristics with data points and labels.
Reflection Functions:

S11

S22
G. PACKING:

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

2. TAPE DIMENSION
H. RECOMMENDED REFLOW PROFILE:

[Graph showing temperature over time]