SAW Filter 480MHz

Part No: MA08609

Model: TA0555A

REV NO.: 1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +65°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Specification</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Min.</td>
<td>Typ.</td>
</tr>
<tr>
<td>Center frequency Fc MHz</td>
<td>-</td>
<td>480</td>
</tr>
<tr>
<td>Insertion loss 476~484MHz I.L. dB</td>
<td>-</td>
<td>1.9</td>
</tr>
<tr>
<td>Ripple 476~484MHz dB</td>
<td>-</td>
<td>0.4</td>
</tr>
<tr>
<td>Group Delay Ripple 476~484MHz ns</td>
<td>-</td>
<td>30</td>
</tr>
</tbody>
</table>

Attenuation: (Reference level from 0 dB)

<table>
<thead>
<tr>
<th>Range</th>
<th>dB</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>350 ~ 430 MHz</td>
<td>40</td>
<td>57</td>
<td>-</td>
</tr>
<tr>
<td>430 ~ 457 MHz</td>
<td>35</td>
<td>53</td>
<td>-</td>
</tr>
<tr>
<td>505 ~ 515 MHz</td>
<td>30</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>515 ~ 535 MHz</td>
<td>35</td>
<td>56</td>
<td>-</td>
</tr>
<tr>
<td>535 ~ 580 MHz</td>
<td>40</td>
<td>57</td>
<td>-</td>
</tr>
<tr>
<td>Temperature coefficient of frequency ppm/°C</td>
<td>-</td>
<td>-37</td>
<td>-</td>
</tr>
<tr>
<td>Source Impedance Zs Ω</td>
<td>50</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Load Impedance Zl Ω</td>
<td>50</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

Note1. No matching network required for operation at 50 Ω

C. MEASUREMENT CIRCUIT:

HP Network analyzer

50Ω  2  6  50Ω
1, 3, 4, 5, 7, 8
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D. OUTLINE DRAWING:

E. PCB FOOTPRINT:
**SAW Filter 480MHz**

**Model:** TA0555A

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**F. FREQUENCY CHARACTERISTICS:**

[Graph of frequency characteristics]

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**TA0555A v1**
SAW Filter 480MHz

Part No: MA08609

Model: TA0555A

REV NO.: 1

Reflections Functions:

S11 VSWR

S22 VSWR
G. PACKING:
1. REEL DIMENSION
   (Reel Count : 7”=1,000 ; 13”=3,000 )

2. TAPE DIMENSION

Direction of Feed
H. RECOMMENDED REFLOW PROFILE:

![Graph showing recommended reflow profile](image-url)