SAW Filter 268MHz  
Part No: MA09698

A. MAXIMUM RATING:
1. Input Power Level: 10dBm
2. DC voltage: 3 V
3. Operating Temperature: -10°C to +50°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>268</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss 266 ~ 270MHz IL</td>
<td>dB</td>
<td>-</td>
<td>1.75</td>
<td>3.0</td>
</tr>
<tr>
<td>Ripple 266 ~ 270MHz</td>
<td>dB</td>
<td>-</td>
<td>0.75</td>
<td>2.0</td>
</tr>
<tr>
<td>Absolute Attenuation: (Reference level from 0dB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fc -100 to Fc -40 MHz</td>
<td>dB</td>
<td>40</td>
<td>47</td>
<td>-</td>
</tr>
<tr>
<td>Fc -40 to Fc -11 MHz</td>
<td>dB</td>
<td>30</td>
<td>42</td>
<td>-</td>
</tr>
<tr>
<td>Fc +11 to Fc +40 MHz</td>
<td>dB</td>
<td>15</td>
<td>35</td>
<td>-</td>
</tr>
<tr>
<td>Fc +40 to Fc +100 MHz</td>
<td>dB</td>
<td>38</td>
<td>43</td>
<td>-</td>
</tr>
<tr>
<td>Source impedance Z_s</td>
<td>Ω</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>Load impedance Z_L</td>
<td>Ω</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

[Diagram of measurement circuit with labels 50Ω, SAW Filter, 6, 1, 3, 4, 5, 7, 8]
D. FREQUENCY CHARACTERISTICS:

**Center:** 268MHz  
**Span:** 20MHz

**Center:** 268MHz  
**Span:** 200MHz
SAW Filter 268MHz
Part No: MA09698

Model: TA0560A
REV. NO: 2

S11

Center: 268MHz
Span: 100MHz

S22

Center: 268MHz
Span: 100MHz
SAW Filter 268MHz
Model: TA0560A
Part No: MA09698
REV. NO: 2

E. OUTLINE DRAWING:

2: Input
6: Output
1, 3, 4, 5, 7, 8: Ground
Unit: mm

F. PCB FOOTPRINT:
G. PACKING:

1. REEL DIMENSION

2. TAPE DIMENSION
H. RECOMMENDED REFLOW PROFILE:

![Graph of recommended reflow profile]

- Time (Sec) values range from 0 to 360.
- Temperature (Deg C) values range from 20 to 280.

The graph illustrates the recommended reflow profile for the SAW Filter 268MHz with Part No: MA09698.