250MHz SAW Filter
Part No: MP02018

Model: TA0998A

A. MAXIMUM RATING:
1. Input Power Level: 10 dBm
2. DC voltage: 5 V
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>Min.</th>
<th>Typ.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency</td>
<td>Fc</td>
<td>MHz</td>
<td>250</td>
</tr>
<tr>
<td>Insertion loss (249.9 ~ 250.9MHz)</td>
<td>IL</td>
<td>dB</td>
<td>2.05</td>
</tr>
<tr>
<td>Amplitude ripple (249.9 ~ 250.9MHz)</td>
<td>dB</td>
<td>0.13</td>
<td></td>
</tr>
<tr>
<td>Attenuation (Reference level from 0 dB)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fc-100 ~ Fc-40 MHz</td>
<td>dB</td>
<td>45</td>
<td>66</td>
</tr>
<tr>
<td>Fc-40 ~ Fc-400 MHz</td>
<td>dB</td>
<td>43</td>
<td>58</td>
</tr>
<tr>
<td>Fc-400 ~ Fc-450 MHz</td>
<td>dB</td>
<td>40</td>
<td>63</td>
</tr>
<tr>
<td>Source impedance</td>
<td>Zs</td>
<td>Ω</td>
<td>50</td>
</tr>
<tr>
<td>Load impedance</td>
<td>ZL</td>
<td>Ω</td>
<td>50</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

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

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

E. PCB FOOTPRINT
F. FREQUENCY CHARACTERISTICS:
Transfer function

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TA0998A v1
250MHz SAW Filter
Part No: MP02018

Model: TA0998A
REV NO.: 1
G. PACKING:
1. REEL DIMENSION

2. TAPE DIMENSION