SAW Filter 262.0MHz
Model: TA1345B
Part No: MP07594
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 10dBm
2. DC voltage: 3V
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>Unit</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency $F_c$</td>
<td>MHz</td>
<td>-</td>
<td>262</td>
<td>-</td>
</tr>
<tr>
<td>Insertion loss IL (260 ~ 264MHz)</td>
<td>dB</td>
<td>-</td>
<td>1.8</td>
<td>3</td>
</tr>
<tr>
<td>Amplitude ripple (260 ~ 264MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.7</td>
<td>2</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0dB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>$F_c -100 \sim F_c -40$MHz</td>
<td>dB</td>
<td>40</td>
<td>47</td>
<td>-</td>
</tr>
<tr>
<td>$F_c -40 \sim F_c -11$MHz</td>
<td>dB</td>
<td>30</td>
<td>42</td>
<td>-</td>
</tr>
<tr>
<td>$F_c +11 \sim F_c +40$MHz</td>
<td>dB</td>
<td>15</td>
<td>35</td>
<td>-</td>
</tr>
<tr>
<td>$F_c +40 \sim F_c +100$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

50Ω B SAW Filter 50Ω
e
A, C, D, F
SAW Filter 262.0MHz
Part No: MP07594
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D. FREQUENCY CHARACTERISTICS:

1. Wideband response (span: 150 ~ 370MHz)

2. Narrow-band response (span 20MHz)
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E. OUTLINE DRAWING:

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

F. PCB FOOTPRINT:
G. PACKING:

1. Reel dimension (Please refer to FR-75D10 for packing quantity)

2. Tape dimension
H. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150 ~ 180°C for 60 ~ 90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50 ~ 80 seconds and at 245 ~ 260°C peak (min. 10 sec).
4. Time: 2 times.