SAW Filter 246.0MHz
Part No: MA08030

Model: TB0266A
REV. NO.: 1

A. MAXIMUM RATING:
1. Input Power Level: 10 dBm
2. DC Voltage: 5V
3. Operating Temperature: -20°C to 60°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>Type.</th>
<th>Max.</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency, Fc</td>
<td>MHz</td>
<td>-</td>
<td>246</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>Minimum Insertion Loss, (Fc±50KHz) IL</td>
<td>dB</td>
<td>-</td>
<td>4.1</td>
<td>6.5</td>
<td>1</td>
</tr>
<tr>
<td>Passband Ripple (Fc±50KHz)</td>
<td>dB</td>
<td>-</td>
<td>0.35</td>
<td>2.0</td>
<td>1</td>
</tr>
<tr>
<td>Group delay ripple (Fc±50KHz), GD</td>
<td>μs</td>
<td>-</td>
<td>1.0</td>
<td>3.0</td>
<td>1</td>
</tr>
<tr>
<td>Attenuation: (Ref level from Min IL)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fc – 25 to Fc – 1.6 MHz</td>
<td>dB</td>
<td>50</td>
<td>65</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Fc – 1.6 to Fc – 0.6 MHz</td>
<td>dB</td>
<td>32</td>
<td>60</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Fc – 0.6 to Fc – 0.4 MHz</td>
<td>dB</td>
<td>20</td>
<td>55</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Fc + 0.4 to Fc + 0.6 MHz</td>
<td>dB</td>
<td>20</td>
<td>55</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Fc + 0.6 to Fc + 1.6 MHz</td>
<td>dB</td>
<td>32</td>
<td>60</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Fc + 1.6 to Fc + 25 MHz</td>
<td>dB</td>
<td>50</td>
<td>60</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Note 1. The standard definitions is in JIS C 6703
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C. OUTLINE DRAWING:

Pin configuration
#9 Input
#4 Output
#10 Balance input or input ground
#5 Balance output or output ground
#1,2,3,6,7,8 To be grounded

Unit mm

D. MEASUREMENT CIRCUIT:

50 Ohm Test circuit (single-ended / single-ended)

HP Network analyzer

S A W F i l t e r

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:
G. PACKING:
1. REEL DIMENSION

2. TAPE DIMENSION

Direction of Feed