268.40MHz SAW Filter
Part No: MA09008

Model: TB0377A
REV NO.: 1

A. MAXIMUM RATINGS:
1. Input Power Level: 10 dBm
2. Operating Temperature: -20°C to 80°C
3. Storage Temperature: -40°C to 80°C

B. ELECTRICAL CHARACTERISTICS:
1. Ambient Temperature: 25 °C

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Value</th>
<th>Note</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Min.</td>
<td>Typ.</td>
</tr>
<tr>
<td>Center frequency ( F_C ) MHz</td>
<td>-</td>
<td>268.4</td>
</tr>
<tr>
<td>Minimum Insertion loss I.L. dB</td>
<td>-</td>
<td>12.4</td>
</tr>
<tr>
<td>1 dB Bandwidth MHz</td>
<td>35.0</td>
<td>40.5</td>
</tr>
<tr>
<td>20 dB Bandwidth MHz</td>
<td>-</td>
<td>50</td>
</tr>
<tr>
<td>Amplitude Ripple ( F_C \pm 17.5MH ) dB</td>
<td>-</td>
<td>0.75</td>
</tr>
<tr>
<td>Input Power ( \text{dBm} )</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Relative Rejection (Reference to Minimum Insertion loss)</td>
<td>205.9~240.9 MHz</td>
<td>20</td>
</tr>
</tbody>
</table>
C. FREQUENCY CHARACTERISTICS:

(1) Wide band of Response: (span: 300MHz)

![Wide band response graph](image1)

Fig1. S21 Response Horizontal: 30MHz/Div Vertical: 10dB/Div

(2) Passband of Response: (span: 50MHz)

![Passband response graph](image2)

Fig2. S21 Response Horizontal: 5MHz/Div Vertical: 10dB/Div
268.40MHz SAW Filter  
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D. TEST CIRCUIT:

![Test Circuit Diagram]

L1=56nH, L2=39nH, C1=9pF, C2=6pF

E. OUTLINE DRAWING:

![Outline Drawing]

- Pin 1: RF input
- Pin 5: RF output
- Pin 4,8: Case Ground
- Pin 2,3,6,7: Ground
F. PACKING:

1. REEL DIMENSION

![Reel Dimension Diagram]

2. TAPE DIMENSION

![Tape Dimension Diagram]

Direction of feed
268.40MHz SAW Filter
Part No: MA09008

G. RECOMMENDED REFLOW PROFILE: