SAW Filter 403.50MHz  
Model: TB0261A
Part No: MA07543

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. Operating Temperature: -10°C to 60°C
3. Storage Temperature: -40°C to 85°C

B. ELECTRICAL CHARACTERISTICS:

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Min.</td>
</tr>
<tr>
<td>Center frequency F&lt;sub&gt;c&lt;/sub&gt; MHz</td>
<td>-</td>
</tr>
<tr>
<td>1dB Bandwidth MHz</td>
<td>3</td>
</tr>
<tr>
<td>Minimum insertion loss. dB</td>
<td>-</td>
</tr>
<tr>
<td>Ripple (402MHz…..405MHz) dB</td>
<td>-</td>
</tr>
<tr>
<td>Phase linearity (402 MHz…..405 MHz) (rms)°</td>
<td>-</td>
</tr>
<tr>
<td>Return Loss (Input and Output) dB</td>
<td>-</td>
</tr>
</tbody>
</table>

Attenuation:(Reference level from Minimum insertion loss)

| (1) 303.5MHz~384MHz | 25 | 35 | - | - |
| (2) 384MHz~399MHz   | 20 | 26 | - | - |
| (3) 408MHz~423MHz   | 20 | 25 | - | - |
| (4) 423MHz~503.5MHz | 25 | 31 | - | - |
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MEASUREMENT CIRCUIT:

1. Single Input to Single Output

![Circuit Diagram 1](image1)

L1=12nH  C1=15pF  L2=47nH  C2=9pF

2. Single Input to Balanced Output

![Circuit Diagram 2](image2)

L1=12nH  C1=15pF  L2=L3=12nH  L4=33nH

Note: The device balun can offer about 0.6dB loss additionally.
D. FREQUENCY CHARACTERISTICS:

1. Response of S21:

![Graph](image)

Horizontal: 3MHz/Div  Vertical: 5dB/Div  Reference: -25dB

(2) Passband of Response:
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Group Delay and Ripple, Horizontal: 1 MHz/Div
Vertical 1: 1 dB/Div Vertical 2: 100 nS/Div

(3) Wide band of Response:

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E. OUTLINE DRAWING:

F. PCB FOOTPRINT
G. PACKING:

1. REEL DIMENSION

2. TAPE DIMENSION
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