SAW Filter 810.0MHz
Part No: MA07350

A. MAXIMUM RATING:
1. Operating Temperature: 0°C ~ 70°C
2. Storage Temperature: -40°C ~ +85°C

B. CHARACTERISTICS:
Balanced to Balanced operation
Terminating source impedance: Zs = 200Ω
Terminating load impedance: ZL = 200Ω

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency</td>
<td>Fc</td>
<td>- 810</td>
</tr>
<tr>
<td>Minimum Insertion loss 801.5~818.5 MHz IL_{\text{min}}</td>
<td>- 1.6 3.8 dB</td>
<td></td>
</tr>
<tr>
<td>Ripple 801.5~818.5 MHz</td>
<td>- 0.6 1.5 dB</td>
<td></td>
</tr>
<tr>
<td>Group Delay 801.5~818.5 MHz</td>
<td>- 0.07 0.11 µs</td>
<td></td>
</tr>
<tr>
<td>Group Delay Variation 801.5~818.5 MHz</td>
<td>- 23 75 ns</td>
<td></td>
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<tr>
<td>Attenuation: Reference level from 0 dB</td>
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<tr>
<td>1) 660...760MHz</td>
<td>41 49 - dB</td>
<td></td>
</tr>
<tr>
<td>2) 790MHz</td>
<td>17 29 - dB</td>
<td></td>
</tr>
<tr>
<td>3) 830MHz</td>
<td>17 21 - dB</td>
<td></td>
</tr>
<tr>
<td>4) 860...960MHz</td>
<td>38 43 - dB</td>
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</tbody>
</table>

Note: IL_{\text{min}} is the minimum of the pass band attenuation.

C. MEASUREMENT CIRCUIT:
D. FREQUENCY CHARACTERISTICS:

Transfer Function:

![Graph 1](image1)

![Graph 2](image2)
SAW Filter 810.0MHz  
Model: TA0438A  
Part No: MA07350  
REV. NO.: 2

Wideband:

![Wideband Spectrum](image)

Group Delay:

![Group Delay Plot](image)
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E. OUTLINE DRAWING:

Pin 1, 7: Balanced Input  
Pin 3, 5: Balanced Output  
P2, 4, 6, 8: Ground

Unit: mm

F. PCB FOOTPRINT:
G. PACKING:
1. REEL DIMENSION

2. TAPE DIMENSION