SAW Filter 255.0MHz
Part No: MP01102

Model: TB0649A
REV. NO.: 1

A. MAXIMUM RATING:
1. Storage Temperature: -40°C to 85°C
2. Operating Temperature: -20°C to 70°C

B. 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, Fc</td>
<td>MHz</td>
<td>-</td>
<td>255</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>dB</td>
<td>-</td>
<td>15.2</td>
<td>16</td>
</tr>
<tr>
<td>Passband Variation</td>
<td>MHz</td>
<td>-</td>
<td>1.2</td>
<td>3</td>
</tr>
<tr>
<td>Relative Attenuation at 166MHz</td>
<td>dB</td>
<td>20</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>Relative Attenuation at 306MHz</td>
<td>dB</td>
<td>-</td>
<td>20</td>
<td>-</td>
</tr>
<tr>
<td>Temp Coefficient</td>
<td>ppm/K</td>
<td>-</td>
<td>-76</td>
<td>-</td>
</tr>
</tbody>
</table>
C. FREQUENCY CHARACTERISTICS:

Wideband Response: (span 300MHz)

Passband Response: (span 100MHz)
D. OUTLINE DRAWING:

#1 – Input
#2 – Input ground
#5 – Output
#6 – Output ground
#3, 4, 7, 8 – Ground

E. Matching Circuit:
50 Ohm single ended Input - 50 Ohm single ended Output

L1=180nH; L2=56nH; L3=22nH; C1=15pF
F. PCB FOOTPRINT:
G. PACKING:
1. REEL DIMENSION:

![Diagram of Reel Dimension]

2. TAPE DIMENSION:

![Diagram of Tape Dimension]