SAW Filter 447.0MHz
Part No: MP01104

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>447</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>dB</td>
<td>-</td>
<td>16.1</td>
<td>17</td>
</tr>
<tr>
<td>Passband Variation</td>
<td>MHz</td>
<td>-</td>
<td>1.4</td>
<td>3</td>
</tr>
<tr>
<td>Relative Attenuation at 358MHz</td>
<td>dB</td>
<td>20</td>
<td>45</td>
<td>-</td>
</tr>
<tr>
<td>Relative Attenuation at 498MHz</td>
<td>dB</td>
<td>-</td>
<td>25</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:

Pin 1 – Input
Pin 2 – Input Ground
Pin 5 – Output

Pin 6 – Output Ground
Pin 3, 4, 7, 8 – Ground

E. MATCHING CIRCUIT:
50 Ohm single ended Input - 50 Ohm single ended Output

F. PCB FOOTPRINT:

L1=18nH; L2=18nH; C1=6pF; C2=4.7pF
G. PACKING:

1. REEL DIMENSION:

2. TAPE DIMENSION: