SAW Filter 44.0MHz
Part No: MA08462

A. MAXIMUM RATING:

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

B. CHARACTERISTICS:

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Min.</th>
<th>Type.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency, Fc</td>
<td>MHz</td>
<td>-</td>
<td>44</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss, IL</td>
<td>dB</td>
<td>-</td>
<td>16</td>
<td>17.5</td>
</tr>
<tr>
<td>3 dB Bandwidth</td>
<td>MHz</td>
<td>1.7</td>
<td>1.8</td>
<td></td>
</tr>
<tr>
<td>Pass band Ripple Fc±0.45MHz</td>
<td>dB</td>
<td>-</td>
<td>0.6</td>
<td>1.0</td>
</tr>
<tr>
<td>Relative Attenuation Fc±0.96MHz</td>
<td>dB</td>
<td>4</td>
<td>5.5</td>
<td></td>
</tr>
<tr>
<td>Relative Attenuation Fc±1.0MHz</td>
<td>dB</td>
<td>5</td>
<td>6.7</td>
<td></td>
</tr>
<tr>
<td>Relative Attenuation Fc±1.75MHz</td>
<td>dB</td>
<td>38</td>
<td>42</td>
<td></td>
</tr>
<tr>
<td>Relative Attenuation 26.5MHz to 42.5MHz</td>
<td>dB</td>
<td>38</td>
<td>41</td>
<td></td>
</tr>
<tr>
<td>Relative Attenuation 46.5MHz to 61.5MHz</td>
<td>dB</td>
<td>38</td>
<td>52</td>
<td></td>
</tr>
</tbody>
</table>
C. FREQUENCY CHARACTERISTICS:

(1) Frequency Response

![Frequency Response Graph]

(2) Passband response and Group Delay Variation:

![Passband Response and Group Delay Variation Graph]
D. OUTLINE DRAWING:

Pin K=L: RF input
Pin E=F: RF output
Pin A, B, C, D, G, H, I, J: To be Ground

E. PCB FOOTPRINT:
SAW Filter 44.0MHz
Part No: MA08462

F. MATCHING CIRCUIT:

\[ L_1 = 270\, \text{nH}, \quad C_1 = C_2 = 59\, \text{pF}, \quad L_2 = 560\, \text{nH} \]
G. PACKING:

(1). REEL DIMENSION:

(2). TYPE DIMENSION:
SAW Filter 44.0MHz
Part No: MA08462

Model: TB0362A
REV. NO.: 2

H. RECOMMENDED REFLOW PROFILE: