A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Maximum Input Power: 10dBm
2. Operating Temperature: -20°C ~ +85°C
3. Storage Temperature: -40°C ~ +85°C

B. CHARACTERISTICS:

Ambient Temperature: 25°C

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Value</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Min.</td>
<td>Typ.</td>
</tr>
<tr>
<td>Center frequency Fc MHz</td>
<td>-</td>
<td>75.0</td>
</tr>
<tr>
<td>Minimum Insertion loss IL 64MHz ~ 86MHz</td>
<td>-</td>
<td>14.8</td>
</tr>
<tr>
<td>Passband Ripple 64MHz ~ 86MHz dB</td>
<td>-</td>
<td>1.1</td>
</tr>
<tr>
<td>Attenuation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10MHz ~ 55MHz dB</td>
<td>40</td>
<td>45</td>
</tr>
<tr>
<td>95MHz ~ 200MHz dB</td>
<td>38</td>
<td>43</td>
</tr>
<tr>
<td>Substrate Material</td>
<td>YZ-LiNbO3</td>
<td></td>
</tr>
<tr>
<td>Temp Coefficient ppm/K</td>
<td></td>
<td>-94</td>
</tr>
</tbody>
</table>

Matching:

1. The input of the filter will be matched to 50ohm
2. The output of the filter will be matched to 50ohm
C. FREQUENCY CHARACTERISTICS:

1. S21 Response: (span 50MHz)

2. S21 Response: (span 10MHz)
3. S11 Smith-Chart: (span 100MHz)

4. S22 Smith-Chart: (span 100MHz)
D. OUTLINE DRAWING:

E. MEASUREMENT CIRCUIT:

Single In / Output: \( Z_{\text{IN}} = Z_{\text{OUT}} = 50\, \Omega \)

\[ \text{L1} = 180\, \text{nH}, \text{L2} = 120\, \text{nH}, \text{C1} = 18\, \text{pF}, \text{C2} = 27\, \text{pF} \]
F. PCB FOOTPRINT:
G. PACKING:

1. Reel Dimension (Reel Count: 7” = 500typ; 13” = 1000 typ)

2. Tape Dimension

Direction of Feed
H. RECOMMENDED REFLOW PROFILE:

![Graph showing recommended reflow profile with temperature (Deg C) on the y-axis and time (Sec) on the x-axis.](image-url)