A. MAXIMUM RATING:

1. Operating Temperature: -10°C ~ 50°C
2. Storage Temperature: -40°C ~ +85°C
3. Input Power Level: 10dBm

B. CHARACTERISTICS:

1. Ambient Temperature: 25°C

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Min.</td>
</tr>
<tr>
<td>Center frequency Fc MHz</td>
<td>-</td>
</tr>
<tr>
<td>Minimum Insertion loss IL dB</td>
<td>-</td>
</tr>
<tr>
<td>1dB Bandwidth kHz</td>
<td>-</td>
</tr>
<tr>
<td>3dB Bandwidth kHz</td>
<td>160</td>
</tr>
<tr>
<td>40dB Bandwidth kHz</td>
<td>-</td>
</tr>
<tr>
<td>Passband Ripple Fc ± 40kHz dB</td>
<td>-</td>
</tr>
<tr>
<td>Temp Coefficient ppm/K²</td>
<td>-</td>
</tr>
</tbody>
</table>
C. FREQUENCY CHARACTERISTICS:

1. S21 Response

![Fig1](image1.png)

Fig1. Horizontal: 0.5MHz/Div Vertical: 10dB/Div

2. Passband Response and Group Delay Response

![Fig2](image2.png)

Fig2. Horizontal: 0.05MHz/Div Vertical 1: 1dB/Div
Vertical 2: 500nS/Div
SAW Filter 130.06MHz  
Model: TB0682A  
Part No: MP02832

D. OUTLINE DRAWING:

Pin J - RF input  
Pin L - RF input ground  
Pin D - RF output  
Pin F - RF output ground  

E. MATCHING CIRCUIT:

L1 = 130nH, L2 = 56pF, L3 = 127nH, L4 = 56pF
SAW Filter 130.06MHz
Part No: MP02832

F. PCB FOOTPRINT:
G. PACKING:

1. Reel Dimension

2. Tape Dimension
H. RECOMMENDED REFLOW PROFILE:

![Graph showing recommended reflow profile](image-url)