A. MAXIMUM RATING:

1. Input Power Level: 18dBm
2. DC Voltage: 3V
3. Operating Temperature: -50°C to +60°C
4. Storage Temperature: -50°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center Frequency Fc</td>
<td>MHz</td>
<td>-</td>
<td>1237</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Min. Insertion loss IL</td>
<td>dB</td>
<td>-</td>
<td>2.4</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Bandwidth @ -1Db</td>
<td>MHz</td>
<td>-</td>
<td>46</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Bandwidth @ -1.5dB</td>
<td>MHz</td>
<td>40</td>
<td>51</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Attenuation (Reference level from 0dB)

| Fc -60MHz                      | dB   | 30   | 60   | -    | -    |
| Fc -50MHz                      | dB   | 20   | 50   | -    | -    |
| Fc +50MHz                      | dB   | 20   | 30   | -    | -    |
| Fc +60MHz                      | dB   | 30   | 38   | -    | -    |

Temperature Coefficient of Frequency ppm/°C  -36 - -

C. MEASUREMENT CIRCUIT:

HP Network analyzer

![Circuit Diagram]
SAW Filter 1237.0MHz

Model: TA0836B

Part No: MP08171

Rev No: 1

D. OUTLINE DRAWING:

B: Input
E: Output
A, C, D, F: Ground
Unit: mm

E. PCB FOOTPRINT:
SAW Filter 1237.0MHz
Part No: MP08171
Model: TA0836B
Rev No: 1

F. FREQUENCY CHARACTERISTICS:

---

---
G. PACKING:

1. Reel Dimension

2. Tape Dimension
H. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150 ~ 180°C for 60 ~ 90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50 ~ 80 seconds and at 245 ~ 260°C peak (min. 10 sec).
4. Time: 2 times.