A. **MAXIMUM RATING:**

- Electrostatic Sensitive Device (ESD)
- 1. Input Power Level: 10dBm
- 2. DC Voltage: 3V
- 3. Operating Temperature: -40°C to +85°C
- 4. Storage Temperature: -40°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>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency Fc MHz</td>
<td>-</td>
<td>443</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>1dB Bandwidth MHz</td>
<td>dB</td>
<td>-</td>
<td>20.5</td>
<td>-</td>
</tr>
<tr>
<td>3dB Bandwidth MHz</td>
<td>dB</td>
<td>20</td>
<td>24.1</td>
<td>-</td>
</tr>
<tr>
<td>Insertion loss 433 ~ 453MHz</td>
<td>dB</td>
<td>-</td>
<td>1.8</td>
<td>3.0</td>
</tr>
<tr>
<td>Attenuation (reference from 0dB)</td>
<td>50</td>
<td>56</td>
<td>-</td>
<td>1.8</td>
</tr>
<tr>
<td>10 ~ 360MHz</td>
<td>dB</td>
<td>50</td>
<td>56</td>
<td>-</td>
</tr>
<tr>
<td>360 ~ 413MHz</td>
<td>dB</td>
<td>47</td>
<td>54</td>
<td>-</td>
</tr>
<tr>
<td>500 ~ 600MHz</td>
<td>dB</td>
<td>47</td>
<td>53</td>
<td>-</td>
</tr>
<tr>
<td>600 ~ 1000MHz</td>
<td>dB</td>
<td>43</td>
<td>48</td>
<td>-</td>
</tr>
<tr>
<td>Source impedance Z_S</td>
<td>Ω</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>Load impedance Z_L</td>
<td>Ω</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
</tbody>
</table>
C. FREQUENCY CHARACTERISTICS:

1. Wideband response: (span 1GHz)

![Wideband response graph]

2. S21 response: (span 200MHz)

![S21 response graph]
3. Passband response: (span 40MHz)
SAW Filter 443.0MHz
Model: TA1634A
Part No: MP05895
Rev No: 1

D. MEASUREMENT CIRCUIT:

HP Network analyzer

![Measurement Circuit Diagram]

E. OUTLINE DRAWING:

![Outline Drawing]

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

Unit: mm

F. PCB FOOTPRINT:

![PCB Footprint Diagram]
G. PACKING:

1. Reel Dimension (Please refer to FR-75D10 for packing quantity)

2. Tape Dimension
H. RECOMMENDED REFLOW PROFILE: