A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 15dBm
2. DC Voltage: 0V
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</td>
<td>MHz</td>
<td>-</td>
<td>460</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss (450 ~ 470MHz) IL</td>
<td>MHz</td>
<td>-</td>
<td>2.2</td>
<td>3.2</td>
</tr>
<tr>
<td>Bandwidth @ -1dB</td>
<td>MHz</td>
<td>-</td>
<td>21</td>
<td>-</td>
</tr>
<tr>
<td>Bandwidth @ -3dB</td>
<td>MHz</td>
<td>20</td>
<td>24</td>
<td>-</td>
</tr>
</tbody>
</table>

Attenuation (Reference level from 0dB)

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Unit</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 ~ 360MHz</td>
<td>dB</td>
<td>50</td>
<td>54</td>
<td>-</td>
</tr>
<tr>
<td>360 ~ 420MHz</td>
<td>dB</td>
<td>45</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>500 ~ 600MHz</td>
<td>dB</td>
<td>40</td>
<td>45</td>
<td>-</td>
</tr>
<tr>
<td>600 ~ 1000MHz</td>
<td>dB</td>
<td>38</td>
<td>43</td>
<td>-</td>
</tr>
<tr>
<td>Temperature coefficient of frequency</td>
<td>ppm/k</td>
<td>-</td>
<td>-36</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

![Diagram of measurement circuit]
D. OUTLINE DRAWING:

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

![Diagram showing frequency characteristics](image-url)
SAW Filter 460.0MHz
Part No: MP05502
Model: TA1633A
Rev No: 1

Diagram: S21 Log Mag 10.00dB/Ref -40.00dB (Hz)

- Frequency Points:
  1. 366.000000 MHz -55.125 dB
  2. 426.000000 MHz -68.223 dB
  3. 506.000000 MHz -65.827 dB
  4. 606.000000 MHz -52.287 dB
G. PACKING:

1. Reel Dimension

(Please refer to FR-75D10 for packing quantity)

2. Tape Dimension

Section A-A

Direction of Feed
H. RECOMMENDED REFLOW PROFILE:

![Reflow Profile Graph]