SAW Filter 1575.420MHz
Part No: MP01198

A. MAXIMUM RATING:
1. Input Power Level: 10 dBm (1574.42 ~ 1576.42 MHz)
2. DC voltage: 7.5 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +95°C

B. ELECTRICAL CHARACTERISTICS:

<table>
<thead>
<tr>
<th>Item</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency Fc (MHz)</td>
<td>-</td>
<td>1575.42</td>
<td>-</td>
</tr>
<tr>
<td>Insertion loss (1574.42~1576.42 MHz) IL (dB)</td>
<td>-</td>
<td>2.8</td>
<td>3.5</td>
</tr>
<tr>
<td>Amplitude ripple (1574.42~1576.42 MHz) (dB)</td>
<td>-</td>
<td>0.5</td>
<td>1.5</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0 dB)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1475.42 MHz (dB)</td>
<td>35</td>
<td>55</td>
<td>-</td>
</tr>
<tr>
<td>1535.42 MHz (dB)</td>
<td>30</td>
<td>52</td>
<td>-</td>
</tr>
<tr>
<td>1615.42 MHz (dB)</td>
<td>30</td>
<td>35</td>
<td>-</td>
</tr>
<tr>
<td>1675.42 MHz (dB)</td>
<td>40</td>
<td>64</td>
<td>-</td>
</tr>
<tr>
<td>VSWR (1574.42~1576.42 MHz)</td>
<td>-</td>
<td>1.5</td>
<td>2.5</td>
</tr>
<tr>
<td>Source impedance Zs (Ω)</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>Load impedance ZL (Ω)</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
</tbody>
</table>

C. PCB FOOTPRINT:
SAW Filter 1575.420MHz
Model: TA0664A
Part No: MP01198
REV NO.: 1

D. OUTLINE DRAWING:

E. MEASUREMENT CIRCUIT:
F. FREQUENCY CHARACTERISTICS:
Transfer function
SAW Filter 1575.420MHz
Part No: MP01198
REV NO.:1

Reflections Functions:

S11 VSWR

![Graph of S11 VSWR](image1)

S22 VSWR

![Graph of S22 VSWR](image2)
G. PACKING:
1. REEL DIMENSION
   (Reel Count: 7”=2000 typ.; 13”=10000 typ.)

2. TAPE DIMENSION

SECTION A-A

SECTION B-B

Direction of Feed
H. RECOMMENDED REFLOW PROFILE:

![Graph showing recommended reflow profile for SAW Filter 1575.420MHz with Model TA0664A and Part No MP01198.](image)