SAW Filter 922.50MHz
Part No: MP01291

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC voltage: 5V
3. Operating Temperature: -40°C to 85°C
4. Storage Temperature: -40°C to +85°C

B. 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>922.5</td>
<td>-</td>
</tr>
<tr>
<td>Insertion loss 920 ~ 925MHz IL (dB)</td>
<td>-</td>
<td>2.7</td>
<td>4.2</td>
</tr>
<tr>
<td>Amplitude ripple 920 ~ 925MHz (dB)</td>
<td>-</td>
<td>0.4</td>
<td>2.0</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0dB)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>775 ~ 835MHz (dB)</td>
<td>40</td>
<td>45</td>
<td>-</td>
</tr>
<tr>
<td>835 ~ 895MHz (dB)</td>
<td>36</td>
<td>44</td>
<td>-</td>
</tr>
<tr>
<td>970 ~ 992MHz (dB)</td>
<td>36</td>
<td>44</td>
<td>-</td>
</tr>
<tr>
<td>992 ~ 1075MHz (dB)</td>
<td>38</td>
<td>45</td>
<td>-</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>

Note: No matching network required for operation at 50Ω
C. FREQUENCY CHARACTERISTICS:

1. Transfer Function

2. Wideband
D. MEASUREMENT CIRCUIT:

HP Network analyzer

50Ω B

SAW Filter E

50Ω

A, C, D, F

E. OUTLINE DRAWING:

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

F. PCB FOOTPRINT:
G. PACKING:

1. Reel Dimension

[Diagram showing reel dimensions]

2. Tape Dimension

[Diagram showing tape dimensions]

Direction of Feed
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.