SAW Filter 861.0MHz
Part No: MA06359

A. MAXIMUM RATING:
1. Input Power Level: 15 dBm
2. DC voltage: 5 V
3. Operating Temperature: -10°C to 60°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</td>
<td>MHz</td>
<td>861</td>
<td>-</td>
</tr>
<tr>
<td>Insertion loss IL</td>
<td>-</td>
<td>2.7</td>
<td>4.2</td>
</tr>
<tr>
<td>Amplitude ripple dB</td>
<td>-</td>
<td>0.4</td>
<td>2.0</td>
</tr>
<tr>
<td>VSWR dB</td>
<td>-</td>
<td>1.4</td>
<td>2.2</td>
</tr>
<tr>
<td>Attenuation dB</td>
<td>10.0</td>
<td></td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>790.0</td>
<td></td>
<td>54</td>
</tr>
<tr>
<td></td>
<td>900.0</td>
<td></td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>920.0</td>
<td></td>
<td>51</td>
</tr>
<tr>
<td></td>
<td>940.0</td>
<td></td>
<td>51</td>
</tr>
<tr>
<td>Source impedance Zs</td>
<td>Ω</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>Load impedance ZL</td>
<td>Ω</td>
<td>50</td>
<td>-</td>
</tr>
</tbody>
</table>

Note1. No matching network required for operation at 50Ω
C. TRANSFER FUNCTION:

Wideband
D. REFLECTION FUNCTIONS:

S11

S22
E. MEASUREMENT CIRCUIT:

![Measurement Circuit Diagram]

HP Network analyzer

50Ω  2  SAW Filter  6  50Ω

1, 3, 4, 5, 7, 8

F. OUTLINE DRAWING:

![Outline Drawing]

2: Input
6: Output
1, 3, 4, 5, 7, 8: Ground
Unit: mm

G. PCB FOOTPRINT:

![PCB Footprint Diagram]
H. PACKING:

1. REEL DIMENSION

![Reel Dimension Diagram]

2. TAPE DIMENSION

![Tape Dimension Diagram]

Direction of Feed