A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC voltage: 3V
3. Operating Temperature: -20°C to +70°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 $F_c$</td>
<td>MHz</td>
<td>-</td>
<td>611</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss IL min (reference level)</td>
<td>dB</td>
<td>-</td>
<td>2.95</td>
<td>4.5</td>
</tr>
<tr>
<td>3dB Bandwidth BW -3dB</td>
<td>MHz</td>
<td>7</td>
<td>9.9</td>
<td>-</td>
</tr>
<tr>
<td>40dB Bandwidth BW -40dB</td>
<td>-</td>
<td>20.4</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>Amplitude Ripple 609.5 ~ 612.5MHz</td>
<td>dB</td>
<td>-</td>
<td>0.4</td>
<td>1.3</td>
</tr>
</tbody>
</table>

Rejection: (Reference level from 0dB)

| 520 to 560MHz                                  | dB   | 38   | 43   | -    |
| 660 to 700MHz                                  | dB   | 38   | 45   | -    |

Source impedance $Z_S$                          | Ω    | -    | 50   | -    |

Load impedance $Z_L$                            | Ω    | -    | 50   | -    |

Note:
IL min is the minimum of the pass band attenuation. The center frequency $F_c$ is the mean value of the upper and lower frequencies at the 3dB filter attenuation level relative to the IL min.
C. FREQUENCY CHARACTERISTICS:

**Chart 1:**
- Frequency: 611.000000 MHz
- Attenuation: -2.8170 dB
- Chart 2:
- Frequency: 611.000000 MHz
- Attenuation: -2.8170 dB

**Chart 2:**
- Frequency: 611.000000 MHz
- Attenuation: -2.8170 dB
- Chart 3:
- Frequency: 611.000000 MHz
- Attenuation: -2.8170 dB
### D. MEASUREMENT CIRCUIT:

HP Network analyzer

50Ω → SAW Filter → 50Ω

2, 3, 4, 5, 6, 8, 9, 10, 11, 12

Unit: mm

### E. OUTLINE DRAWING:

1: Input
7: Output
2, 3, 4, 5, 6, 8, 9, 10, 11, 12: Ground
Unit: mm
F. PACKING:

1. Reel Dimension

2. Tape Dimension

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Section A-A

Direction of Feed