<table>
<thead>
<tr>
<th>Items</th>
<th>Specification</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency (Fo)</td>
<td>915.000</td>
<td>MHz</td>
</tr>
<tr>
<td>Bandwidth</td>
<td>926000</td>
<td>kHz</td>
</tr>
<tr>
<td>Insertion Loss in BW</td>
<td>3.0</td>
<td>dB Max</td>
</tr>
<tr>
<td>Amplitude Ripple</td>
<td>1.5</td>
<td>dB Max</td>
</tr>
<tr>
<td>Group Delay in BW</td>
<td>40</td>
<td>ns p-p</td>
</tr>
<tr>
<td>Return Loss in BW</td>
<td>10</td>
<td>dB min</td>
</tr>
</tbody>
</table>

**Absolute Attenuation**

- 10 MHz ~ 857.5 MHz: 40 dB min
- 857.5 MHz ~ 882.5 MHz: 35 dB min
- 970 MHz ~ 1005 MHz: 35 dB min
- 1005 MHz ~ 1110 MHz: 45 dB min
- 1110 MHz ~ 3000 MHz: 30 dB min

- Maximum Input Power: 15 dBm Max
- DC Voltage: 3 V Max
- In/Out Impedance: 50 Ω
- Operation Temperature: -40°C to +85°C
- Storage Temperature: -40°C to +85°C

**Dimension**

- MARKING AREA: 0.66 ± 0.04 mm
- PIN CONNECTION:
  1. INPUT
  2. GROUND
  3. OUTPUT
  4. GROUND
Typical Frequency Characteristics
Typical Frequency Characteristics - Continued

Return Loss

Smith Charts
- **REFLOW PROFILE**

![Reflow Profile Diagram](image)

<table>
<thead>
<tr>
<th>Reflow profile</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature Min Preheat</td>
<td>$T_{SMIN}$</td>
</tr>
<tr>
<td>Temperature Max Preheat</td>
<td>$T_{SMAX}$</td>
</tr>
<tr>
<td>Time ($T_{SMIN}$ to $T_{SMAX}$)</td>
<td>$t_0$</td>
</tr>
<tr>
<td>Temperature Peak</td>
<td>$T_L$</td>
</tr>
<tr>
<td>Peak Temperature</td>
<td>$T_P$</td>
</tr>
<tr>
<td>Ramp-up rate</td>
<td>$R_{UP}$</td>
</tr>
<tr>
<td>Ramp-down rate</td>
<td>$R_{DOWN}$</td>
</tr>
<tr>
<td>Time within 5°C of Peak Temperature</td>
<td>$t_d$</td>
</tr>
<tr>
<td>Time t(25°C) to Peak Temperature</td>
<td>$t_{(25°C) to Peak}$</td>
</tr>
<tr>
<td>Time</td>
<td>$t_L$</td>
</tr>
</tbody>
</table>

### Environmental

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOISTURE SENSITIVITY LEVEL</td>
<td>1</td>
</tr>
<tr>
<td>REACH – SVHC</td>
<td>Compliant</td>
</tr>
<tr>
<td>RoHS 2</td>
<td>6/6</td>
</tr>
</tbody>
</table>