2025 MHz LTE Low Pass Filter. EIA 0805 with reduced footprint using LGA pads

P/N 2025LP15A1225

Frequency (MHz) | Insertion Loss @ BW | Return Loss | Attenuation
--- | --- | --- | ---
800~1000 | 0.5 max. dB | 9.5dB min. | @2300~6100MHz, 25dB Typ, 20dB min
1700~1910 | 0.8 max. dB | | @3700~4100MHz, 34dB Typ, 30dB min
2010~2025 | 1.5 max. dB | | @6100~8000MHz, 15dB Typ, 10dB min

Solder Paste: SAC 305 type is recommended.

Storage Period: 18 months max. in package*

Power Capacity: 2W max. (CW)

Reel Quantity: 4,000

Operating Temperature: -40 to +85°C

Storage Temperature: -40 to +85°C

*CAUTION: 18 months in vacuum sealed bag and 1 week after opened. Please keep unused parts in vacuum sealed bags. Go to: http://www.johansontechnology.com/silverleads for more info.

Part Number Explanation

<table>
<thead>
<tr>
<th>P/N Suffix</th>
<th>Packing Style</th>
<th>Termination style</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suffix = S</td>
<td>Bulk</td>
<td>AgPt</td>
<td>2025LP15A1225S</td>
</tr>
<tr>
<td>Suffix = E</td>
<td>T &amp; R</td>
<td>Suffix = None</td>
<td>2025LP15A1225E (Reel Size: 4000pcs)</td>
</tr>
<tr>
<td>50Ω SMA Connector Eval Board</td>
<td>Suffix = None</td>
<td>2025LP15A1225(E/R/S)</td>
<td></td>
</tr>
<tr>
<td>2025LP15A1225-EB1SMA (orderable p/n)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Mechanical Dimensions

<table>
<thead>
<tr>
<th>L</th>
<th>W</th>
<th>T</th>
<th>a</th>
<th>b</th>
<th>c</th>
<th>d</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.079 ± 0.006</td>
<td>0.049 ± 0.004</td>
<td>0.037 max.</td>
<td>0.037 ± 0.004</td>
<td>0.011 ± 0.004</td>
<td>0.024 ± 0.004</td>
<td>0.010 ± 0.002</td>
</tr>
<tr>
<td>2.00 ± 0.15</td>
<td>1.25 ± 0.10</td>
<td>0.95 max.</td>
<td>0.95 ± 0.10</td>
<td>0.28 ± 0.10</td>
<td>0.60 ± 0.10</td>
<td>0.25 ± 0.05</td>
</tr>
</tbody>
</table>

Terminal Configuration

<table>
<thead>
<tr>
<th>No.</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>IN</td>
</tr>
<tr>
<td>2</td>
<td>GND</td>
</tr>
<tr>
<td>3</td>
<td>OUT</td>
</tr>
</tbody>
</table>

Would you like the layout file of this filter or need help with the RF layout? Contact our RF Applications Engineering team at: www.johansontechnology.com/component/techquestion

Johanson Technology, Inc. reserves the right to make design changes without notice.

All sales are subject to Johanson Technology, Inc. terms and conditions.

www.johansontechnology.com

4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

Ver. 1.1 2014 Johanson Technology, Inc. All Rights Reserved
Typical Electrical Performance (T=25°C)

Measuring Diagram

Johanson Technology, Inc. reserves the right to make design changes without notice. All sales are subject to Johanson Technology, Inc. terms and conditions.
"High Frequency Ceramic Solutions"

To Download Measured S-parameters for Evaluation and Simulation:
www.johansontechnology.com/lpf

Soldering Information
www.johansontechnology.com/ipcsoldering-profile

RoHS Compliance
www.johansontechnology.com/technical-notes/rohs-compliance.html

MSL Info
www.johansontechnology.com/technical-notes/msl-rating.html

Packaging information
www.johansontechnology.com/ipcpackaging.html

For layout review contact our Applications Team at:
www.johansontechnology.com/component/techquestion

Johanson Technology, Inc. reserves the right to make design changes without notice.
All sales are subject to Johanson Technology, Inc. terms and conditions.