Typical Application

Recommended Component List (or equivalent):

<table>
<thead>
<tr>
<th>Part</th>
<th>Value</th>
<th>Part Number</th>
<th>Manufacturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>C1, C2</td>
<td>0.1µF</td>
<td>0402BB104KW160</td>
<td>Passive Plus</td>
</tr>
</tbody>
</table>

Notes:

1. DC blocking capacitors should be low-loss, broadband capacitors for optimum performance.
2. VDD and control lines filtered internally providing high frequency isolation to 50 + GHz.
   a. See AM35 datasheet for more information.
   b. Adding an additional ferrite bead, LC, or LCL filter on VDD lines is recommended in applications that have space to improve VDD isolation.

To obtain price, delivery, or to place an order contact sales@atlantamicro.com
Atlanta Micro Inc., 3720 Davinci Ct, Suite 125, Peachtree Corners, GA 30092 • Phone: (470) 253-7640 • www.atlantamicro.com
Recommended Layout

Notes:

1. Power line filtering is made symmetric here such that it is L – C – L filtering. L – C filtering or even a single ferrite bead may be used if space is critical.
2. Recommended input trace is grounded coplanar waveguide, 50 ohms.
3. IC and RF inputs / outputs should be via fenced.
4. Vias should be placed under IC and GND pads (not shown).
5. Vias shown are 10mil hole size with 24mil pad.

Revision History

<table>
<thead>
<tr>
<th>Date</th>
<th>Revision Number</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 21, 2020</td>
<td>1</td>
<td>Initial Release</td>
</tr>
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</table>