Notes (Unless Otherwise Specified):

1. All dimensions are in inches.
2. Dimensions in [xxx] are in millimeters.
3. Material: 8 MIL Rogers RO4003 Dk = 3.55
4. Line Width = 13.5 MIL.
5. Launch Taper = 10 MIL. X 50 MIL.
6. Max Frequency = 70GHz
7. Hole Diameters are stated as finished hole size.
8. Plated through holes are to have a minimum of .001" copper.
9. No soldermask required.
10. Fabrication Tolerance: End product line widths and lands +/- .0005".
11. Copper Specification: 1/2 oz. CU ± .0002, 1.8 MILS Finished

---

**PCB Stackup**

- Top Side: 1.8 MIL Conductor
- xx MIL Rogers RO4003
- Ground Plane
- Additional Layers (Optional)

---

**Mounting Holes**

<table>
<thead>
<tr>
<th>Body Width</th>
<th>A</th>
<th>B</th>
<th>Ø C</th>
</tr>
</thead>
<tbody>
<tr>
<td>.370 (Narrow)</td>
<td>.250</td>
<td>.100</td>
<td>.073</td>
</tr>
<tr>
<td>.500 (Standard)</td>
<td>.375</td>
<td>.110</td>
<td>.078</td>
</tr>
</tbody>
</table>

---

**DETAIL A**

- Launch Via: [0.0100] [0.25]
- Taper Width: [0.0135] [0.34]
- Launch Via Width: [0.0430] [1.09]
- 2X Ø [0.080] [0.2]
- Launch Via: [0.0500] [1.27]
- Taper Length: [0.0400] [1.02]
- Via Width: [0.0610] [1.55]
- Line Width: [0.0240] [0.61]
- Ground Gap: [0.0150] [0.38]
- TYP. Via Size: [0.0150] [0.38]
- TYP. Via Spacing: [0.0400] [1.02]

---

**Signal Trace**

- Top Ground
- Signal Trace
- Top Ground
- Top Ground

---

**Top Side: 1.8 MIL Conductor**

- xx MIL Rogers RO4003
- Ground Plane
- Additional Layers (Optional)