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 = 11 MIL. X 50 MIL.
6. Max Frequency = 40GHz
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
- Ground Plane
- 8 MIL Rogers RO4003

**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**

- Taper Width: .0110 [0.28]
- Line Width: .0135 [0.34]
- Ground Gap: .0240 [0.61]
- Taper Length: .0500 [1.27]

**Notes:**

- All dimensions are in inches.
- Dimensions in [xxx] are in millimeters.
- Material: 8 MIL Rogers RO4003 Dk = 3.55
- Line Width = 13.5 MIL.
- Launch Taper = 11 MIL. X 50 MIL.
- Max Frequency = 40GHz
- Hole Diameters are stated as finished hole size.
- Plated through holes are to have a minimum of .001" copper.
- No soldermask required.
- Fabrication Tolerance: End product line widths and lands +/- .0005".
- Copper Specification: 1/2 oz. CU ± .0002, 1.8 MILS Finished
- Plating Specification: 3 to 10 microinches Gold over 100 microinches Nickel.

**MATERIAL**

Rogers RO4003  
Dk = 3.55

**008 Launch, Grounded Coplaner Wave Guide, 8mil Rogers RO4003, 40GHz**