Features:
- 300 MHz - 6 GHz Frequency Range
- Flat Gain For Upper 2/3 of Range
- Linear or Circular Polarization (With Hybrid Coupler)
- Compact Design
- Maintains Shielding Integrity When Wall Mounted

The Model 3164-06 Open Boundary Quad-Ridged Horn is the newest in a series of quad-ridged horns from ETS-Lindgren. The “open boundary” design with its absence of side plates makes this antenna unique in both appearance and performance.

Numerically modeled, the Model 3164’s open boundary design is similar to double-ridged waveguide antennas placed orthogonally to each other. The antenna’s compact size offers improved pattern and gain when compared with enclosed quad-ridged horns of similar dimensions. The Model 3164-06 has exceptional bandwidth. With an operating frequency band for optimum performance from 300 MHz to 6 GHz. Two orthogonally placed input feeds allow this antenna to be used for both linearly and circularly polarized measurements across the entire frequency band, without manual polarization.

Electrical Specifications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>FREQUENCY RANGE</th>
<th>CROSS-POLARIZATION ISOLATION</th>
<th>IMPEDENCE (NORMAL)</th>
<th>CONNECTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>3164-06</td>
<td>300 MHz - 6 GHz</td>
<td>&gt;25 dB</td>
<td>50 Ω</td>
<td>SMA Female (2)</td>
</tr>
</tbody>
</table>

Physical Specification

<table>
<thead>
<tr>
<th>MODEL</th>
<th>LENGTH (OVERALL)</th>
<th>WIDTH (APERTURE)</th>
<th>HEIGHT (APERTURE)</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>3164-06</td>
<td>20.3 in</td>
<td>19.8 in</td>
<td>19.8 in</td>
<td>20.5 lb</td>
</tr>
</tbody>
</table>
Wireless Antennas
Open Boundary Quad-Ridged Horn

Model 3164-06

3164-06 cross port isolation

3164-06 VSWR

3164-06 Gain

3164-06 3dB beamwidth
Wireless Antennas
Open Boundary Quad-Ridged Horn
Model 3164-06

Information presented is subject to change as product enhancements are made. Contact ETS-Lindgren Sales Department for current specifications.